SUPPLEMENTARY MATERIAL FOR "FINE-GRAINED FASHION FEATURE EMBEDDING FOR GLOBAL, LOCAL, AND CONTEXTUAL ANALYSIS IN FASHION SOCIAL MEDIA POPULARITY PREDICTION"

A. IMPLEMENTATION DETAILS

In this section, we provide a comprehensive overview of the implementation details that could not be included in the main paper due to space limitations. This section covers the following key aspects: 1) the complete prompts used for generating captions beyond the C_2 prompt described in the main paper, 2) the detailed construction process and specifications of the WEAR-Prediction Dataset (WEAR-PD), and 3) experimental configurations such as FFGLC integration process and hyperparameter settings. By including these details, we aim to enhance the reproducibility of our approach.

A.1. Prompt Design

The prompt to generate each Caption C_1-C_5 (general description, item analysis, color analysis, seasonal context analysis, and photographic composition analysis) is as follows:

Role
You are a fashion evaluator. From the given fashion image, complete the following task based on the instructions below.

Instruction C_1
Provide a answer to the following question:
- What is shown in this fashion image?

Instruction C_2
Provide a detailed analysis of the fashion items in the image. Focus on:
- Materials (e.g., cotton, leather, wool).
- Silhouette (e.g., tight, loose, structured).
- Balance between upper and lower body, highlighting any asymmetry or harmony.
Identify unique features that define the outfit's style.

Instruction C_3
Provide a detailed analysis of the fashion colors in the image. Focus on:
- Primary colors dominating the outfit.
- Accent colors used to enhance specific areas.

- Total number of distinct colors visible.
Evaluate how the colors complement or contrast to create visual appeal. Highlight their contribution to the outfit's overall aesthetic.

Instruction C_4
Provide a detailed analysis of the outfit's seasonal relevance. Focus on:
- The post date is given by user prompt.
- Fashion items (e.g., jackets, t-shirts) and their alignment with the season inferred from the post date.
- Seasonal cues such as fabric weight, layering, and accessories.
Note any discrepancies between the outfit and expected seasonal norms **in Japan**.

Instruction C_5
Provide a detailed analysis of the image composition. Focus on:
- Subject placement (e.g., centered, offset) and its impact on balance.
- Lighting quality, considering brightness and shadows, and how they affect visibility.
Highlight whether these elements enhance or detract from the outfit's presentation.

You must answer in complete sentences within 50 words.

The role and final output format are predefined, while the instructions and examples following the keyword "Provide" are customized for each caption. The prompt for Caption C_4 incorporates the posting date (formatted as YYYY/MM/DD) as input by user prompt. Additionally, the phrase "in Japan" is used for WEAR-PD but omitted for SMPD-Fashion.

A.2. Detailed WEAR-PD Information

SMPD [1] is a widely used dataset for general social media popularity prediction. However, only about 40,000 posts are categorized as fashion-related, and this number reduces to approximately 3,000 when limited to fashion coordination images. Moreover, the dataset is biased towards English-speaking regions, which could introduce social biases into performance evaluations. To address these limitations, we construct the WEAR-Prediction Dataset (WEAR-PD) as a benchmark for evaluating FFGLC, from WEAR [2].

WEAR-PD contains comprehensive multimodal information, covering both post-specific details and user-related attributes. Each post includes elements such as the image, hashtags, description, and view count. In addition, user-related attributes include details like user ID, official status, and follower count, as summarized in Table 1. The target variable for prediction is the base-2 logarithm of the view count for each post, with its distribution illustrated in Figure 1.

Table 1. Information included in WEAR-PD.

Information	Description
Image	Fashion coordination image
Hashtags	Hashtags included in the post
Itemtags Count	Number of tagged items of the post
Description	Description text included in the post
Date	Date and time of the post
Comment Status	Whether comments are allowed on the post
View Count	Number of views of the post
User ID	ID of the user who made the post
Official Status	Whether the user is an official
Post Count	Total number of posts by the user
Following Count	Number of users the poster is following
Follower Count	Number of followers the poster has

To prevent bias in the dataset, we collect posts from the following pages: "Men's Coordination from March to May," "Men's Coordination from June to August," "Men's Coordination from September to November," and "Men's Coordination from December to February." The posts are sorted by popularity, and information from each post and its corresponding user is systematically collected. During data collection, appropriate intervals are maintained between requests to avoid placing excessive load on the web service. WEAR-PD includes 313,532 posts from 17,187 users.

A.3. Detailed Experimental Settings

This subsection presents the experimental setup, focusing on FFGLC Integration Process. Additionally, we provide details of framework adjustments, the hyperparameter settings and computational resources used for training and evaluation.
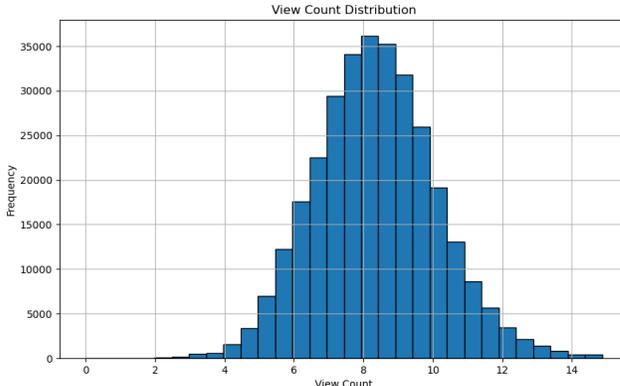

Fig. 1. The target variable distribution. The variable is the base-2 logarithm of view count for each post.

A.3.1. FFGLC Integration Process

In this subsection, we describe the method for integrating FFGLC features into the existing popularity prediction framework [3, 4, 5]. As shown in Figure 2, the existing frameworks combine features extracted from metadata, text, and images. FFGLC features are concatenated with these extracted features to enhance the prediction accuracy. The detailed process involves utilizing pre-trained multi-encoders for text and image feature extraction, followed by combining all features for input into gradient boosting or fully-connected layers. Note that FFGLC does not require training, while the regression process in each prediction framework is trained on the datasets.

A.3.2. Details of Framework Adjustments

Since existing frameworks are originally designed for SMPD rather than fashion-specific posts, we make slight modifications to the frameworks. These adjustments include modificating the metadata used and replacing unpublished encoders with publicly available ones. Specifically, to handle Japanese text, we employ tokenizers optimized for the Japanese language [6, 7]. In addition, for the DEVL framework, we utilize the pre-trained version of CLIP, OpenAI's "ViT-B/32", without additional fine-tuning.

A.3.3. Hyperparameter Settings

The following configurations is used for training and evaluation. Each value is determined through grid search. During the training process, the loss is calculated using validation data, and models with the smallest loss are selected as the final models.
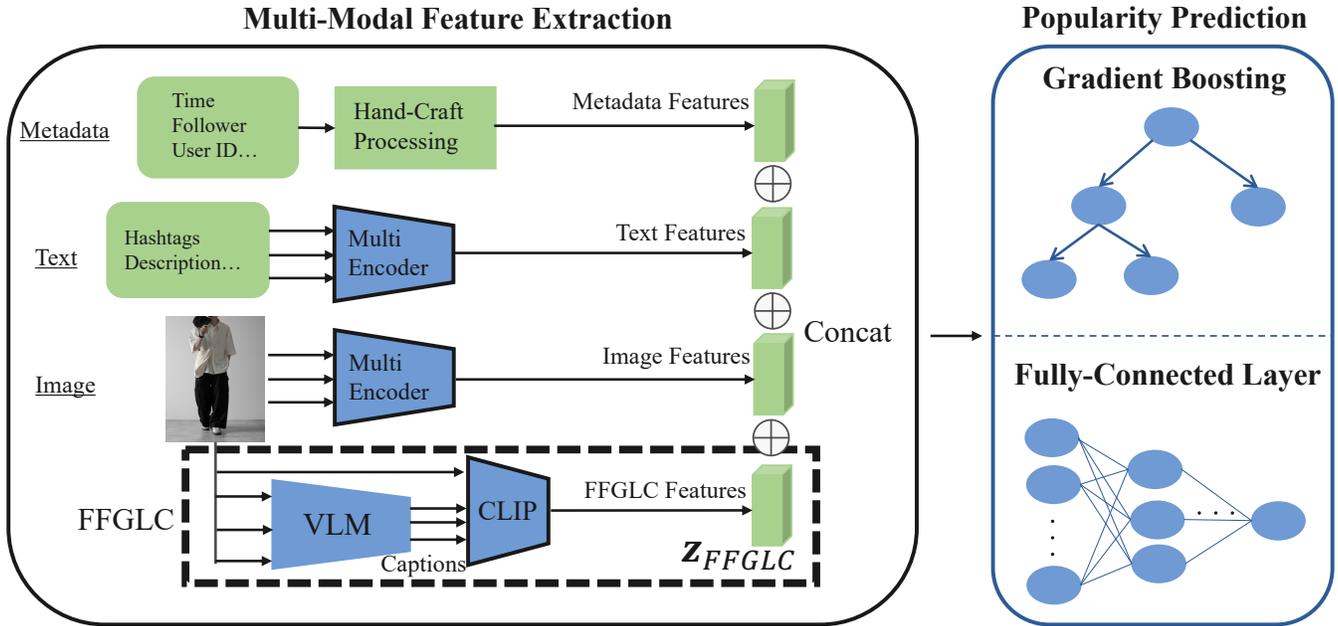
Fig. 2. Overview of the popularity prediction framework proposed in [3, 4, 5]. Features are extracted from metadata, text, and images, and the integrated features are used to predict popularity scores using gradient boosting [4, 5] or fully-connected layers [3]. Metadata consists of numerical and categorical features, which are appropriately preprocessed. For text and images, features are extracted using pre-trained multi-encoders. Specifically, text features are extracted using models such as BERT [8] or fastText [9], while image features are extracted using models such as ResNet [10] or CLIP [11]. Additionally, integrating FFGLC features with these extracted features enhances the accuracy of popularity prediction. Since feature extraction and popularity prediction are separate processes, we train the models enclosed in blue boxes to perform popularity prediction using the extracted features.

FFGLC-Ding et al. [3]:
Adam [12] is used to train the fully connected layers with the following hyperparameter settings.

- Loss function: `MSE`

- Learning rate: `0.001`

- Weight decay: `1e-5`

- Training epochs: `50`

- Batch size: `16`

FFGLC-Wang et al. [4]:
CatBoost [13] is used with the following hyperparameter settings.

- Loss function: `RMSE`

- Iterations: `10000`

- Early stopping rounds: `100`

- Learning rate: `0.03`

- Depth: `10`

- L2 regularization on leaf weights: `10.0`

- Bagging temperature: `0.05`

- Border count: `48`

- Random strength: `50`

FFGLC-DEVL [5]:
CatBoost is used with the following hyperparameter settings.

- Loss function: `RMSE`

- Iterations: `10000`

- Early stopping rounds: `100`

- Learning rate: `0.03`

- Depth: `10`

- L2 regularization on leaf weights: `1.0`

- Bagging temperature: `0.1`

- Border count: `64`

- Random strength: `50`

A.3.4. Computational Resources

For caption generation, we use llava-onevision-qwen2-7b-ov, a model of LLaVA-OneVision [14]. This model is able to run on our local server equipped with two AMD EPYC 7453 28-Core Processors and four NVIDIA GeForce RTX 3090 GPUs. Generating a single caption takes approximately one second on this server.

Each method is implemented and trained using the Py-Torch framework. Integrating FFGLC increases the feature dimensionality by 1536 dimensions compared to the original frameworks. However, the training time remains almost unchanged with or without FFGLC. The training time varies depending on the framework: the shortest training time is observed with DEVL on SMPD-Fashion, taking approximately 30 minutes, while the longest is with Ding et al.'s framework on WEAR-PD , requiring around 5 hours.

B. DETAILED EVALUATION OF FFGLC

In this section, we present an additional evaluation of FFGLC from two complementary perspectives: (1) Quantitative Evaluation: This analysis aims to reinforce the results of the Ablation Study in the main paper by evaluating the complementary nature of global, local, and contextual features. Additionally, we measure the cosine similarity between image embeddings and caption embeddings. (2) Qualitative Evaluation: This assessment involves examining the richness and contextual relevance of captions through numerous examples. These evaluations demonstrate the effectiveness of FFGLC in capturing both the quantitative and qualitative aspects of the multi-faceted nature of fashion images.

B.1. Quantitative Evaluation: Ablation Study

We provide the additional results of the ablation study for the FFGLC-Ding et al. and FFGLC-DEVL frameworks. Table 2 indicates that models combining multiple features consistently outperform those using individual features, with the full FFGLC models achieving the best results. This trends are consistent with that observed in the FFGLC-Wang et al. model in the main paper.

B.2. Quantitative Evaluation: Similarity Assessment

To reinforce the results of the ablation study, we conduct a cosine similarity assessment between embeddings, using Open-FashionCLIP [15]. This analysis aims to partially understand the differences in information captured by each caption forming the global, local, and contextual features.

CLIP [11] maps both images and text into the same embedding space, so measuring the similarity between a fashion image and its captions helps determine how accurately the captions capture the image's content. OpenFashionCLIP, a version of CLIP fine-tuned on a fashion-specific vision-language dataset, is appropriate for this task because it is better at handling fashion-related details. The embeddings of captions (C_1 to C_5) generated by OpenFashionCLIP are denoted as e'_1 to e'_5. Similarly, the embedding of the image is denoted as e'_0. Each embedding has a dimensionality of 512.

The cosine similarity between the embeddings is evaluated for both WEAR-PD and SMPD-Fashion. Table 3 shows the mean similarity matrix for WEAR-PD, while Table 4 shows the mean similarity matrix for SMPD-Fashion.

The results indicate that the mean similarity values between caption embeddings e'_1 to e'_5 are higher compared to the similarity values between image embeddings e'_0 and caption embeddings. This suggests that the captions capture similar information among themselves. However, the similarity between image embeddings and caption embeddings shows little variation across different captions, the similarity between captions themselves varies significantly. This finding implies that each caption provides distinct and complementary information, aligning with the concept of our FFGLC. The diverse yet complementary nature of the captions likely contributes to the improved prediction accuracy by capturing the multi-faceted aspects of fashion images.

B.3. Qualitative Evaluation

To evaluate the robustness and versatility of FFGLC, we provide 50 caption examples each from WEAR-PD and SMPD-Fashion. Tables 5 through 54 show 50 examples from the WEAR-PD test data, including post information, generated captions, and popularity scores, while Tables 55 through 104 present 50 examples from the SMPD-Fashion dataset. These samples are selected completely randomly, with no specific cases chosen for demonstration.

The generated captions are, in most cases, highly accurate and demonstrate descriptive abilities comparable to those of humans. Moreover, each caption effectively emphasizes different aspects of the fashion images, such as items, color, or specific details. These results show that the prior knowledge provided by LLaVA-OneVision and the language model Qwen [16] functions highly effectively and plays a crucial role in the performance of FFGLC. While most of WEAR-PD examples consist of full-body fashion coordination photos, the SMPD-Fashion includes non-fashion-related images, such as photos of dogs or sports scenes. Despite these inconsistencies, the posts are still categorized into fashion-related categories and subcategories, which may lead to potential misalignments and reduced accuracy in popularity predictions. However, the generated captions often succeed in describing visual features like color and structure, even for non-fashion-related images. This observation highlights the versatility and adaptability of FFGLC, suggesting its potential applicability to a broader range of tasks beyond fashion-specific contexts.

Table 2. Ablation study on FFGLC-Ding et al. and FFGLC-DEVL frameworks. Ding et al. and DEVL indicate the original model, while G, L, and C denote models integrating global, local, and contextual features, respectively.

Features	WEAR-PD			SMPD-Fashion		
	MAE ↓	MSE ↓	SRC ↑	MAE ↓	MSE ↓	SRC ↑
Ding et al. [3]	0.783	1.029	0.817	0.798	1.540	0.875
+ G	0.732	0.894	0.836	0.792	1.508	0.877
+ L	0.723	0.887	0.833	0.798	1.510	0.874
+ C	0.715	0.867	0.837	0.809	1.566	0.874
+ G + L	0.715	0.865	0.838	0.788	1.459	0.878
+ G + L + C (Ours)	**0.707**	**0.858**	**0.841**	**0.784**	**1.456**	**0.879**
DEVL [5]	0.597	0.649	0.880	0.658	1.089	0.918
+ G	0.596	0.632	0.885	0.605	0.967	0.925
+ L	0.597	0.633	0.885	0.604	0.973	0.925
+ C	0.597	0.635	0.885	0.608	0.987	0.924
+ G + L	0.596	0.631	0.885	0.608	0.978	0.925
+ G + L + C (Ours)	**0.595**	**0.630**	**0.886**	**0.599**	**0.966**	**0.926**

Table 3. Similarity matrix between e'_0 to e'_5 in WEAR-PD. Only upper triangular values are shown due to symmetry. The table presents the mean cosine similarity values between each embedding. All embeddings are generated by OpenFashion-CLIP.

	e'_0	e'_1	e'_2	e'_3	e'_4	e'_5
e'_0	1.000	0.302	0.289	0.279	0.284	0.246
e'_1		1.000	0.686	0.691	0.628	0.542
e'_2			1.000	0.746	0.695	0.517
e'_3				1.000	0.734	0.632
e'_4					1.000	0.708
e'_5						1.000

Table 4. Similarity matrix between e'_0 to e'_5 in SMPD-Fashion. Only upper triangular values are shown due to symmetry. The table presents the mean cosine similarity values between each embedding. All embeddings are generated by OpenFashionCLIP.

	e'_0	e'_1	e'_2	e'_3	e'_4	e'_5
e'_0	1.000	0.343	0.309	0.299	0.258	0.320
e'_1		1.000	0.717	0.677	0.613	0.719
e'_2			1.000	0.752	0.725	0.721
e'_3				1.000	0.703	0.711
e'_4					1.000	0.681
e'_5						1.000

C. REFERENCES

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Table 5. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2023/6/24 **Itemtags Count:** 3 **Post Count:** 747 **Followeing Count:** 270 **Follower Count:** 2603	C_1: "The fashion image shows a person standing in front of a wooden wall with the word "AVIREX" written on it. The individual is wearing a short-sleeved polo shirt with horizontal stripes in navy blue, green, and white, along with olive green pants and white sneakers." C_2: "The outfit consists of a short-sleeved polo shirt with horizontal stripes in navy blue and green, featuring a small emblem on the left chest. The number "06" is displayed on the right side of the chest. The individual wears olive green trousers that are loose-fitting and appear to be made of a lightweight fabric. Complementing the outfit are white sneakers. The ensemble has a casual yet sporty look, with the balance between the upper and lower body being harmonious due to the matching color scheme and relaxed fit of both the shirt and trousers." C_3: "The outfit features a navy blue and green striped polo shirt with a white collar, accented by a small logo on the left chest. The number "06" is displayed in yellow on the right side of the shirt. Complementing the shirt are olive green pants and white sneakers. The primary colors dominating the outfit are navy blue, green, and white, with the accent color being yellow for the number "06." The total number of distinct colors visible is four. The combination of these colors creates a balanced and visually appealing aesthetic, with the navy blue and green providing a classic look while the white collar adds a touch of contrast, and the yellow accent draws attention to the shirt's detail." C_4: "The outfit is suitable for spring or early summer in Japan, as indicated by the light fabric weight and short sleeves of the t-shirt. The layered look with a collared shirt underneath adds versatility for varying temperatures during these seasons. Accessories like the wristwatch are practical for outdoor activities. The overall ensemble aligns well with seasonal norms, offering comfort and style appropriate for the transitional weather." C_5: "The subject is centered in the frame, creating a balanced composition that draws attention to their outfit. The lighting is even, with no harsh shadows, which enhances the visibility of the clothing details and colors. This balanced presentation allows for a clear view of the outfit's design and quality, making it an effective image for showcasing fashion."	**Ground Truth:** 5.672 **DEVL:** 6.177 **FFGLC-DEVL:** 6.035

Table 6. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2024/3/21 **Itemtags Count:** 5 **Post Count:** 1065 **Followeing Count:** 76 **Follower Count:** 86736	C_1: "The fashion image shows a person wearing a green jacket, black trousers, white shoes, and carrying an orange bag. The individual is standing against a plain background, possibly for a clothing or accessory showcase." C_2: "The outfit features a loose-fitting olive green jacket with a structured collar and buttoned front, paired with black wide-legged trousers. The ensemble is completed with white sneakers and an orange leather crossbody bag. The balance between the upper and lower body is harmonious, with the structured jacket providing contrast to the relaxed trousers. The unique feature of the outfit is the combination of earthy tones and the pop of color from the bag, creating a casual yet stylish look." C_3: "The outfit features a combination of earthy and neutral tones. The primary colors include olive green, black, white, and beige. An accent color, mustard yellow, is used on the clutch to add a pop of brightness. There are four distinct colors in the image. The olive green jacket and black trousers create a monochromatic base, while the white shirt and beige shoes provide contrast. The mustard yellow clutch serves as an accent, drawing attention and adding a cheerful touch to the ensemble. This color palette creates a balanced and harmonious look with a subtle yet effective use of color accents." C_4: "The outfit is suitable for spring, featuring a lightweight olive green jacket and loose black trousers. The white sneakers are appropriate for mild weather, while the orange leather bag adds a pop of color. Layering with a light-colored t-shirt under the jacket suggests transitional weather. The ensemble aligns well with spring fashion norms in Japan, which often include light layers and comfortable materials." C_5: "The subject is positioned slightly off-center to the right, creating a dynamic composition that draws attention to the outfit. The lighting is soft and even, with no harsh shadows, which enhances the visibility of the clothing details and textures. This balanced lighting and centered subject placement contribute positively to the overall presentation of the outfit."	**Ground Truth:** 10.757 **DEVL:** 10.575 **FFGLC-DEVL:** 10.593

Table 7. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2024/2/3 **Itemtags Count:** 4 **Post Count:** 741 **Followeing Count:** 89 **Follower Count:** 532	C_1: "The fashion image shows a person standing against a concrete wall, wearing a black jacket over a patterned sweater and dark pants. The individual has their hands in their pockets and is looking directly at the camera." C_2: "The outfit consists of a black puffer jacket, a patterned sweater with red and white tones, and loose-fitting black trousers. The materials appear to be synthetic for the jacket and possibly cotton or wool for the sweater. The silhouette is relaxed, with the jacket providing volume and the trousers offering a wide leg. The balance between upper and lower body is harmonious, with the patterned sweater adding visual interest to the otherwise monochromatic ensemble. Unique features include the contrasting patterns on the sweater and the casual, laid-back fit of the clothing." C_3: "The outfit features a combination of dark and vibrant colors. The primary colors dominating the ensemble are black, seen in the jacket and pants, and red, which is accentuated through the patterned sweater. There are three distinct colors visible: black, red, and the subtle hints of white within the sweater's pattern. The contrast between the dark outerwear and the bright sweater creates a striking visual appeal, while the red accentuates the upper body, drawing attention to the face and torso. This color scheme contributes to a bold and stylish aesthetic." C_4: "The outfit is suitable for winter in Japan, as indicated by the presence of a heavy jacket and long pants. The layered clothing suggests that it's cold outside, and the choice of fabric weight aligns with typical winter attire. Accessories are minimal, which is common for winter fashion in Japan to avoid bulkiness." C_5: "The subject is positioned centrally against a textured concrete wall, creating a balanced composition. The lighting is even with no harsh shadows, ensuring the outfit's details are clearly visible. This setup enhances the presentation of the outfit by allowing viewers to focus on the clothing without distraction from the background or lighting."	**Ground Truth:** 9.267 **DEVL:** 9.077 **FFGLC-DEVL:** 9.238

Table 8. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2024/2/4 **Itemtags Count:** 4 **Post Count:** 1300 **Followeing Count:** 602 **Follower Count:** 34987	C_1: "The fashion image shows a person standing outside a café, holding a coffee cup and wearing a brown textured jacket, black pants, and light-colored shoes. They have a black shoulder bag and are accessorized with a beaded necklace. The background features the café's menu board displaying various drink options like Caffe Latte, Americano, and Espresso." C_2: "The outfit features a textured, oversized woolen coat with a high collar, paired with loose-fitting black trousers. The individual is wearing light-colored, possibly suede, shoes. A beaded necklace adds an asymmetrical detail to the ensemble. The combination of materials and silhouette creates a relaxed yet stylish look, with the coat providing warmth and the loose trousers offering comfort and movement." C_3: "The primary colors dominating the outfit are brown, black, and white. The brown coat serves as a neutral base, while the black pants provide contrast. White accents, such as the beaded necklace and the cup, add a touch of brightness. There are three distinct colors visible: brown, black, and white. These colors complement each other, creating a cohesive and stylish look that is both modern and sophisticated." C_4: "The outfit is suitable for winter in Japan, featuring a thick, textured jacket and loose-fitting pants. The layered ensemble with a t-shirt underneath suggests an attempt to balance warmth with style. Accessories like the beaded necklace add a unique touch. However, the choice of light-colored shoes might not be ideal for the cold weather, as darker footwear is more common in Japanese winters." C_5: "The subject is positioned off-center, creating a dynamic composition that draws the eye across the image. The lighting is soft and even, highlighting the outfit's textures without creating harsh shadows. This balanced lighting enhances the outfit's presentation by allowing viewers to appreciate the details of the clothing and accessories."	**Ground Truth:** 8.858 **DEVL:** 9.679 **FFGLC-DEVL:** 9.390

Table 9. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2023/12/30 **Itemtags Count:** 3 **Post Count:** 15 **Followeing Count:** 0 **Follower Count:** 3	C_1: "The fashion image shows a person posing next to a large, colorful sculpture that resembles a smiling face. The individual is dressed in a dark jacket with the word "Kenzo" on it, blue jeans, and black shoes. They are standing with one hand in their pocket and appear to be looking off into the distance. The background features an urban setting with buildings and a cloudy sky." C_2: "The outfit consists of a dark blue jacket with white text on the left chest, paired with light blue jeans. The jacket appears to be made of a soft fabric, possibly cotton or a cotton blend, while the jeans seem to be denim, suggesting durability and a classic look. The silhouette is relaxed, with the jacket having a loose fit and the jeans fitting comfortably around the legs. The balance between the upper and lower body is harmonious, with both pieces complementing each other in terms of color and style. The unique feature of the outfit is the combination of a casual, everyday piece like jeans with a more statement-making item like a jacket with distinctive text." C_3: "The primary colors dominating the outfit are navy blue, white, and black. The accent color is orange, used on the scarf and the cup. There are four distinct colors visible: navy blue, white, black, and orange. The navy blue jacket provides a bold contrast to the lighter colors of the scarf and jeans, while the orange accents add a pop of vibrancy that complements the overall aesthetic." C_4: "The outfit is suitable for winter in Japan, featuring a heavy navy blue jacket and a scarf for warmth. The choice of dark colors aligns with the typical winter palette. Layering is evident with the jacket over a lighter shirt, and the scarf adds an extra layer for cold weather. Accessories like the watch and the bag are practical for daily use during the colder months. The outfit's color scheme and fabric weight are consistent with expected seasonal norms for winter in Japan." C_5: "The subject is positioned off-center to the left, creating a dynamic composition that draws attention to both the person and the large, colorful sculpture behind them. The lighting is even with no harsh shadows, ensuring clarity and visibility of the subject's outfit details. This balanced lighting and strategic subject placement enhance the overall presentation of the outfit by making it visually appealing and easy to examine."	**Ground Truth:** 7.129 **DEVL:** 7.172 **FFGLC-DEVL:** 7.549

Table 10. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2022/7/30 **Itemtags Count:** 7 **Post Count:** 1419 **Followeing Count:** 581 **Follower Count:** 4546	C_1: "The fashion image shows a person wearing a geometric-patterned sweater, blue jeans, and black sandals. They are also holding a small black crossbody bag." C_2: "The outfit features a geometric-patterned sweater with a mix of cotton and wool materials, providing warmth and texture. The loose-fitting jeans offer comfort and a relaxed silhouette, balancing the structured look of the sweater. The black crossbody bag adds a sleek touch to the ensemble, while the sandals introduce an element of casualness. The overall style is a harmonious blend of comfort and contemporary fashion, with a focus on relaxed yet stylish attire." C_3: "The outfit features a geometric pattern sweater with black, white, and gray colors dominating the ensemble. The blue jeans provide an accent color that complements the cool tones of the sweater. A black crossbody bag adds a neutral contrast to the outfit. The total number of distinct colors visible is four: black, white, gray, and blue. The combination of these colors creates a balanced and visually appealing aesthetic, with the cool tones of the sweater and jeans providing a cohesive look." C_4: "The outfit is suitable for summer in Japan, featuring a lightweight argyle-patterned sweater and loose-fitting jeans. The sandals are appropriate for warm weather, and the crossbody bag is practical for carrying essentials. The ensemble aligns with typical summer fashion in Japan, which often includes light fabrics and comfortable footwear." C_5: "The subject is positioned centrally against a plain background, creating a balanced composition that draws attention to the outfit. The lighting is even with no harsh shadows, ensuring clear visibility of the clothing details. This setup enhances the presentation of the outfit by allowing viewers to focus on the textures and patterns without distraction."	**Ground Truth:** 10.834 **DEVL:** 10.564 **FFGLC-DEVL:** 10.803

Table 11. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2023/11/8 **Itemtags Count:** 4 **Post Count:** 135 **Followeing Count:** 5 **Follower Count:** 82	C_1: "The fashion image shows a person standing in a clothing store, facing away from the camera. The individual is wearing a black jacket with a graphic on the back and distressed blue jeans. They are also wearing a cap and light-colored shoes. The store has various clothing items on display, including jackets and shirts, and there is a fire extinguisher visible in the background." C_2: "The outfit features a black, oversized hoodie with a graphic print on the back, paired with distressed blue jeans and tan shoes. The hoodie appears to be made of a soft, possibly fleece material, while the jeans are denim with frayed patches. The silhouette is relaxed and loose, with the hoodie's length extending past the waistband of the jeans. The balance between upper and lower body is harmonious, with both pieces complementing each other in terms of volume and style. The unique feature of this outfit is the combination of the oversized hoodie with the distressed jeans, creating a casual and contemporary look." C_3: "The primary colors in the outfit are black and blue, with the black jacket and blue jeans being the dominant elements. An accent color, white, is used on the distressed areas of the jeans, adding a contrasting detail that draws attention to the wear and tear. There are three distinct colors visible: black, blue, and white. The black and blue create a monochromatic look, while the white adds a touch of brightness and interest. This combination creates a visually appealing outfit that balances simplicity with subtle details." C_4: "The outfit is suitable for autumn in Japan, as it includes a heavy fleece jacket and distressed jeans, which are appropriate for cooler weather. The layered look with the jacket over the t-shirt allows for flexibility in temperature control. Accessories like the baseball cap and chunky sneakers complement the casual style. However, the choice of light-colored sneakers might be slightly less practical for wet or snowy conditions that can occur during autumn in Japan." C_5: "The subject is positioned off-center, creating a dynamic composition that draws the eye to the clothing rather than the person. The lighting is even with no harsh shadows, ensuring visibility of the outfit's details. This balanced lighting and centered subject placement enhance the presentation of the clothing, making it the focal point of the image."	**Ground Truth:** 8.768 **DEVL:** 8.010 **FFGLC-DEVL:** 8.397

Table 12. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2024/2/9 **Itemtags Count:** 5 **Post Count:** 643 **Followeing Count:** 78 **Follower Count:** 13562	C_1: "The fashion image shows a person wearing a beige jacket, a white shirt, green trousers, and black shoes. They are also carrying a dark shoulder bag and standing next to a metal fence with a building in the background." C_2: "The outfit features a combination of materials, including what appears to be cotton for the shirt and possibly leather or a leather-like material for the shoes. The silhouette is loose with a relaxed fit, particularly noticeable in the jacket and trousers. The balance between upper and lower body is harmonious, with both the shirt and trousers sharing a similar relaxed fit. Unique features include the asymmetrical placement of the bag over one shoulder and the choice of dark, contrasting colors that create a modern and stylish look." C_3: "The outfit features a combination of neutral and muted colors. The primary colors dominating the ensemble are shades of gray, beige, and green. An accent color, navy blue, is used for the bag and shoes, adding depth and contrast to the outfit. There are four distinct colors visible: gray, beige, green, and navy blue. The neutral tones create a cohesive look while the navy blue accents provide a subtle pop of color, enhancing the overall aesthetic by balancing the outfit's visual appeal." C_4: "The outfit is suitable for spring in Japan, featuring a lightweight jacket and layered t-shirt. The dark green trousers and black shoes add a touch of formality. Accessories like the crossbody bag are practical for carrying essentials. The ensemble aligns with spring's transitional weather, offering warmth while remaining light and airy." C_5: "The subject is positioned off-center, creating a dynamic composition that draws the eye to the outfit. The lighting is soft and even, with no harsh shadows, which enhances the visibility of the clothing details and textures. This balanced lighting and centered subject placement contribute positively to the overall presentation of the outfit."	**Ground Truth:** 8.322 **DEVL:** 8.343 **FFGLC-DEVL:** 8.555

Table 13. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2024/1/5 **Itemtags Count:** 3 **Post Count:** 78 **Followeing Count:** 0 **Follower Count:** 5	C_1: "The fashion image shows a person standing on a staircase wearing a black Adidas tracksuit with white stripes and matching track pants. The outfit is completed with black and white sneakers." C_2: "The outfit features a black Adidas tracksuit with white stripes, consisting of a jacket and pants. The materials appear to be a smooth cotton blend for the jacket and denim for the pants. The silhouette is loose, particularly in the pants, which are flared at the bottom. The balance between the upper and lower body is harmonious, with the relaxed fit of the pants complementing the structured look of the jacket. The outfit's style is defined by its retro sporty aesthetic, characterized by the iconic Adidas branding and the classic 80s-inspired flared jeans." C_3: "The outfit features a black Adidas tracksuit with white stripes, paired with light blue flared jeans and black shoes. The primary colors are black, white, and blue, with the Adidas logo providing a small accent of green. The combination creates a monochromatic look with a pop of color from the logo, enhancing the outfit's sporty aesthetic." C_4: "The outfit is suitable for winter in Japan, as it includes a jacket and thick jeans. The jacket's material appears to be of medium weight, appropriate for layering during colder weather. The jeans are also heavy-duty, which is typical for winter wear. However, the choice of shoes, which seem to be sneakers, might not provide enough warmth for extremely cold days. Overall, the outfit aligns with expected seasonal norms for winter in Japan." C_5: "The subject is positioned off-center, creating a dynamic composition that draws the eye along the staircase. The lighting is bright and even, with minimal shadows, which enhances visibility and allows for clear details of the outfit to be seen. This balanced lighting and centered subject placement contribute positively to the overall presentation of the attire."	**Ground Truth:** 9.600 **DEVL:** 9.246 **FFGLC-DEVL:** 9.298

Table 14. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.
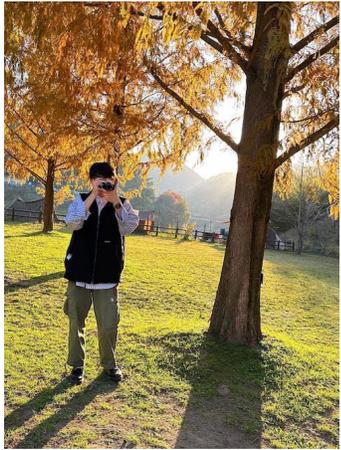
Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2023/5/22 **Itemtags Count:** 9 **Post Count:** 2830 **Followeing Count:** 187 **Follower Count:** 924590	C_1: "The fashion image shows a person wearing a white button-up shirt, a beige undershirt, black shorts with pockets, and black shoes. The individual has dark hair and is standing against a plain background." C_2: "The outfit consists of a white, loose-fitting button-up shirt paired with black shorts that have pockets. The shirt appears to be made of a lightweight fabric, possibly cotton or a cotton blend, while the shorts seem to be of a heavier material, potentially wool or a wool-like synthetic. The silhouette is relaxed and casual, with the upper body being more voluminous than the lower body due to the loose shirt. The balance between the upper and lower body is harmonious, as the shorts are not too tight or loose, complementing the relaxed fit of the shirt. The outfit's style is defined by its simplicity and comfort, with a touch of sophistication added by the pocket details on the shorts." C_3: "The outfit features a monochromatic color scheme with white as the primary color, seen in the button-up shirt and inner tank top. The black shorts provide a contrasting accent, creating a balanced visual appeal. There are two distinct colors visible: white and black. The simplicity of the color palette allows for a clean and modern aesthetic, while the contrast between the shirt and shorts adds depth to the overall look." C_4: "The outfit is suitable for spring in Japan, as it features light fabrics like the white shirt and black shorts. Layering with a light jacket is appropriate for the transitional weather. The choice of accessories, such as the watch, complements the casual yet stylish look. The outfit aligns well with seasonal norms, offering comfort and style for springtime in Japan." C_5: "The subject is positioned slightly off-center to the right, creating a dynamic composition that draws attention to the outfit. The lighting is soft and even, with no harsh shadows, which enhances the visibility of the clothing details and textures. This balanced lighting and centered subject placement contribute positively to the overall presentation of the outfit."	**Ground Truth:** 12.925 **DEVL:** 12.911 **FFGLC-DEVL:** 13.022

Table 15. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2023/10/4 **Itemtags Count:** 4 **Post Count:** 4 **Followeing Count:** 1 **Follower Count:** 4	C_1: "The fashion image shows a person standing outdoors, wearing a black vest over a striped shirt and khaki pants. They are holding a camera up to their face, seemingly taking a photo. The individual is positioned under a tree with yellow leaves, suggesting it might be autumn. The background features a grassy area with more trees and a wooden fence, creating a serene and natural setting." C_2: "The outfit consists of a black vest over a striped shirt, paired with olive green cargo pants. The materials appear to be a mix of synthetic fabric for the vest and cotton or a similar natural fiber for the shirt. The silhouette is casual and relaxed, with the loose fit of the cargo pants balancing the structured look of the vest. The outfit has a harmonious color palette, with the black vest providing contrast against the lighter stripes of the shirt and the earthy tones of the pants. The overall style is modern and practical, suitable for an outdoor setting." C_3: "The primary colors dominating the outfit are black, white, and green. The black vest and pants provide a neutral base, while the white shirt adds contrast and brightness. The green pants introduce an accent color that complements the natural surroundings. There are three distinct colors visible: black, white, and green. The combination of these colors creates a balanced and harmonious look, with the green pants adding a pop of color that ties in with the autumnal setting." C_4: "The outfit is suitable for autumn, featuring a lightweight jacket and long pants. The layered clothing suggests cooler weather, while the choice of fabric weight aligns with typical autumn norms in Japan. Accessories like the wristwatch are practical for outdoor activities." C_5: "The subject is positioned off-center, creating a dynamic composition that draws the eye across the image. The lighting is soft and natural, with shadows cast by the trees adding depth and texture to the scene. This enhances the outfit's presentation by providing a visually appealing backdrop that contrasts with the subject's attire, making it stand out without detracting from the overall aesthetic of the photograph."	**Ground Truth:** 8.951 **DEVL:** 8.785 **FFGLC-DEVL:** 8.366

Table 16. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2023/4/26 **Itemtags Count:** 5 **Post Count:** 8 **Followeing Count:** 3 **Follower Count:** 2	C_1: "The fashion image shows a person standing against a concrete wall, wearing sunglasses, a brown jacket, a striped shirt, blue jeans, and yellow sneakers. They are also holding up two fingers in a peace sign gesture." C_2: "The outfit features a combination of materials, including a leather jacket and denim jeans. The silhouette is relaxed with a loose-fitting jacket and straight-leg jeans. The balance between the upper and lower body is harmonious, with both pieces fitting comfortably without any significant asymmetry. Unique features include the bold yellow and black sneakers, which add a pop of color to the otherwise neutral-toned ensemble. The person's pose, with one hand in their pocket and the other making a peace sign, adds a casual and youthful vibe to the overall look." C_3: "The outfit features a combination of neutral and vibrant colors. The primary colors dominating the ensemble are beige, blue, and black, which provide a classic and sophisticated look. Accent colors include yellow on the shoes and a hint of gold in the bag, adding a pop of brightness and warmth to the outfit. There are four distinct colors visible: beige, blue, black, and yellow/gold. The contrast between the neutral tones and the accent colors creates visual interest, while the cohesive color palette maintains a harmonious aesthetic." C_4: "The outfit is suitable for spring in Japan, featuring a lightweight jacket and layered t-shirt. The accessories, such as the crossbody bag and sneakers, are practical for casual outings. The outfit aligns with seasonal norms, offering warmth while accommodating the mild temperatures of spring." C_5: "The subject is positioned slightly off-center to the right, creating a dynamic composition that draws attention to their outfit. The lighting is soft and even, with no harsh shadows, which enhances the visibility of the outfit's details. This balanced lighting and strategic subject placement contribute positively to the overall presentation of the attire."	**Ground Truth:** 8.077 **DEVL:** 8.547 **FFGLC-DEVL:** 8.704

Table 17. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2022/10/17 **Itemtags Count:** 5 **Post Count:** 43 **Followeing Count:** 38 **Follower Count:** 117	C_1: "The fashion image shows a person standing against a concrete wall, wearing a black sleeveless vest over a light-colored shirt with rolled-up sleeves, paired with brown trousers and black shoes. The individual has their arms crossed and is posing for the photograph." C_2: "The outfit consists of a black sleeveless vest over a light gray long-sleeved shirt, paired with brown trousers and black shoes. The materials appear to be wool for the vest and cotton for the shirt, while the trousers are likely made of a heavier fabric like wool or cotton blend. The silhouette is loose-fitting, particularly in the trousers, which creates an asymmetrical balance with the more structured vest. The combination of textures and the color palette gives the outfit a classic yet modern look." C_3: "The outfit features a combination of neutral and earth tones. The primary colors include black, gray, and brown, which dominate the ensemble. An accent color, white, is used on the cuffs of the shirt sleeves to add a subtle contrast. There are four distinct colors visible: black, gray, brown, and white. The black vest and brown trousers create a monochromatic effect, while the gray shirt adds a soft texture. The white cuffs provide a visual break, enhancing the outfit's overall aesthetic by adding depth and interest without overwhelming the neutral palette." C_4: "The outfit is suitable for autumn, featuring a sweater vest and long-sleeved shirt for layering. The dark brown trousers and black shoes complement the ensemble. The choice of clothing aligns with Japanese seasonal norms, where layering is common in cooler weather." C_5: "The subject is positioned centrally against a textured concrete wall, creating a balanced composition. The lighting is natural and even, with soft shadows cast by the person, enhancing the visibility of the outfit's details. This setup effectively showcases the clothing without detracting from it."	**Ground Truth:** 9.881 **DEVL:** 9.347 **FFGLC-DEVL:** 9.428

Table 18. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2023/6/12 **Itemtags Count:** 5 **Post Count:** 916 **Followeing Count:** 225 **Follower Count:** 14986	C_1: "The fashion image shows a person wearing a light-colored shirt, dark blue trousers with a belt, and black shoes. They are holding a black bag in their right hand and appear to be standing against a plain background. The outfit suggests a casual yet stylish look, suitable for everyday wear or possibly a smart-casual event." C_2: "The outfit features a light beige, long-sleeved shirt with a relaxed fit and a pair of dark blue, wide-legged trousers. The shirt is made of a lightweight fabric, possibly cotton or a cotton blend, while the trousers appear to be made of denim, suggesting a casual yet stylish look. The individual wears black shoes that complement the overall ensemble. A brown belt with a simple buckle adds a touch of sophistication. The person carries a black bag with a structured design, which contrasts with the loose-fitting trousers. The outfit balances the upper and lower body with a harmonious mix of textures and fits, creating a modern and fashionable appearance." C_3: "The outfit features a combination of neutral and earth tones. The primary colors include beige, navy blue, and black. An accent color, orange, is used on the belt to add a pop of contrast against the otherwise subdued palette. There are four distinct colors visible: beige, navy blue, black, and orange. The neutral colors create a classic and sophisticated look, while the orange belt adds a modern touch, making the outfit visually appealing and stylish." C_4: "The outfit is suitable for spring or early summer in Japan, as indicated by the light fabric of the shirt and the presence of a belt. The person is wearing a long-sleeved shirt, which suggests that it might be slightly cooler outside. The dark blue trousers and black shoes add a formal touch to the outfit, while the brown belt provides a pop of color. The bag appears to be made of leather, which is appropriate for the season. Overall, the outfit aligns well with the seasonal norms in Japan during this time of year." C_5: "The subject is positioned slightly off-center, creating a dynamic composition that draws the eye. The lighting is soft and even, highlighting the outfit without creating harsh shadows, which enhances the visibility of the clothing details. This balanced lighting and centered placement contribute to an aesthetically pleasing presentation of the outfit."	**Ground Truth:** 10.766 **DEVL:** 10.212 **FFGLC-DEVL:** 10.090

Table 19. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2023/4/6 **Itemtags Count:** 4 **Post Count:** 1408 **Followeing Count:** 489 **Follower Count:** 2118	C_1: "The fashion image shows a person standing on the street, wearing a patterned shirt, black pants, and black-and-white sneakers. The individual is positioned next to a yellow pole, with trees and buildings in the background, suggesting an urban setting." C_2: "The outfit consists of a patterned, short-sleeved shirt with a zigzag design in black and white, paired with loose-fitting black trousers. The individual wears chunky, black-and-white sneakers. The ensemble features a balance between the upper and lower body, with the patterned shirt drawing attention to the upper half, while the loose trousers provide a relaxed silhouette. The combination of patterns and textures adds visual interest, creating a contemporary and casual style." C_3: "The outfit features a black and white zigzag patterned shirt as the primary color, paired with solid black pants. The shoes are black with white soles, adding contrast to the ensemble. There is one accent color, white, used in the shoe soles and the shirt's pattern, which enhances the overall visual appeal by creating a balanced and cohesive look. The total number of distinct colors visible is three: black, white, and the subtle gray of the shirt's base. The combination of these colors creates a modern and stylish aesthetic that stands out against the urban backdrop." C_4: "The outfit is suitable for spring in Japan, featuring a lightweight patterned shirt and loose-fitting pants. The choice of shoes with thick soles suggests preparedness for potential rain, which is common during this season. The ensemble aligns well with the typical layering and fabric weight expectations for spring in Japan." C_5: "The subject is positioned slightly off-center, creating a dynamic composition that draws the eye. The lighting is soft and even, with no harsh shadows, which enhances the visibility of the outfit's details. This balanced lighting and centered placement contribute to an aesthetically pleasing image that effectively showcases the clothing."	**Ground Truth:** 10.095 **DEVL:** 9.809 **FFGLC-DEVL:** 9.727

Table 20. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2023/6/20 **Itemtags Count:** 3 **Post Count:** 3595 **Followeing Count:** 0 **Follower Count:** 1829	C_1: "The fashion image shows a person standing against a white paneled wall, wearing a light brown blazer over a dark blue t-shirt and navy blue shorts. They are also wearing black sandals. The individual has short hair and is looking slightly to the side with their hands in their pockets." C_2: "The outfit features a combination of materials and silhouettes. The individual wears a structured, woolen blazer with a classic lapel, paired with a fitted, cotton t-shirt. The high-waisted, loose-fitting denim shorts contrast the structured blazer, creating an asymmetrical balance. The black sandals add a casual touch to the ensemble. The overall style is a blend of formal and casual elements, suggesting a relaxed yet put-together look." C_3: "The outfit features a combination of neutral and vibrant colors. The primary colors dominating the ensemble are navy blue, beige, and black. The navy blue shorts and t-shirt provide a bold contrast to the beige blazer, while the black sandals add depth to the overall look. There are three distinct colors visible in the image. The navy blue and beige create a classic color palette, while the black sandals introduce a modern touch. The contrast between the colors enhances the outfit's visual appeal, creating a balanced and stylish appearance." C_4: "The outfit is suitable for summer in Japan, featuring a lightweight jacket and denim shorts. The choice of sandals also aligns with the warm weather. However, the layering of a jacket over shorts is unconventional for Japanese summer fashion, which typically favors lighter, sleeveless attire." C_5: "The subject is positioned slightly off-center to the right, creating a dynamic composition that draws attention to their outfit. The lighting is soft and even, with no harsh shadows, which enhances the visibility of the clothing details and textures. This balanced lighting and centered subject placement contribute positively to the overall presentation of the outfit."	**Ground Truth:** 7.607 **DEVL:** 7.874 **FFGLC-DEVL:** 7.800

Table 21. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2023/3/17 **Itemtags Count:** 3 **Post Count:** 1119 **Followeing Count:** 6125 **Follower Count:** 3106	C_1: "The fashion image shows a person standing against a white background, wearing a light blue button-up shirt with rolled-up sleeves and a small logo on the left chest, paired with light gray wide-leg pants. The individual is also wearing white sneakers. The overall look is casual and contemporary, with a monochromatic color scheme that emphasizes simplicity and comfort." C_2: "The outfit consists of a light blue, long-sleeved shirt with a collar and button-down front, paired with loose-fitting white trousers. The shirt appears to be made of a lightweight fabric, possibly cotton or a cotton blend, while the trousers seem to be of a similar material. The silhouette is relaxed and balanced, with the upper body fitting comfortably and the lower body offering ample room for movement. The combination of the shirt's structured collar and the loose trousers creates an asymmetrical yet harmonious look, emphasizing a casual yet put-together style." C_3: "The outfit features a monochromatic color scheme dominated by white, with subtle accents of gray. The primary colors are white and light gray, which create a clean and minimalist aesthetic. The light gray shirt adds depth to the ensemble without overwhelming the white base. The overall look is cohesive and understated, with the colors complementing each other to create a visually appealing and modern style." C_4: "The outfit is suitable for spring, featuring light fabrics and layering appropriate for mild temperatures. The white shirt and pants are versatile and easy to wear in various settings. The shoes are classic and practical for casual outings. The overall ensemble aligns with typical spring fashion trends in Japan, which often emphasize comfort and versatility while incorporating seasonal colors and patterns." C_5: "The subject is centered in the frame, creating a balanced composition that draws attention to the outfit. The lighting is even with soft shadows, enhancing visibility and allowing for clear details of the clothing to be seen. This setup effectively showcases the outfit without any distractions or detracting elements."	**Ground Truth:** 12.375 **DEVL:** 9.505 **FFGLC-DEVL:** 9.538

Table 22. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2022/11/16 **Itemtags Count:** 5 **Post Count:** 1418 **Followeing Count:** 29 **Follower Count:** 873	C_1: "The fashion image shows a person standing outdoors in autumn attire, wearing a beige jacket, white pants, black shoes, and a patterned hat. The individual is also wearing a face mask. The setting includes trees with autumn foliage and a paved area with scattered leaves." C_2: "The outfit consists of a beige jacket, white pants, and black shoes. The jacket appears to be made of a lightweight fabric, possibly cotton or a cotton blend, with a loose silhouette that provides comfort and ease of movement. The white pants are loose-fitting as well, maintaining the relaxed aesthetic of the ensemble. The black shoes offer a contrast to the lighter colors of the outfit. The overall balance is harmonious, with the neutral tones and soft textures creating a casual yet stylish look. Unique features include the patterned hat and the asymmetrical hemline of the pants, which adds a touch of individuality to the outfit." C_3: "The primary colors dominating the outfit are beige, white, and black. The beige jacket serves as a neutral base, while the white pants provide contrast and brightness. Black shoes add a touch of sophistication. Accent colors include the blue collar peeking from under the jacket and the pattern on the beanie, which adds visual interest without overwhelming the ensemble. There are five distinct colors visible: beige, white, black, blue, and the pattern on the beanie. These colors complement each other, creating a harmonious and stylish look that is both casual and chic." C_4: "The outfit is suitable for autumn, featuring a light jacket and pants that allow for layering as temperatures fluctuate. The choice of a beanie and face mask indicates preparedness for cooler weather and potential air quality concerns. The ensemble aligns with seasonal norms in Japan, where autumn fashion often includes lightweight jackets and comfortable layers for varying temperatures." C_5: "The subject is positioned slightly off-center, creating a dynamic composition that draws the eye. The lighting is soft and even, with no harsh shadows, which enhances the visibility of the outfit's details. The placement and lighting contribute to a balanced and aesthetically pleasing image, effectively showcasing the outfit."	**Ground Truth:** 9.920 **DEVL:** 9.612 **FFGLC-DEVL:** 9.613

Table 23. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2022/7/12 **Itemtags Count:** 3 **Post Count:** 509 **Followeing Count:** 21 **Follower Count:** 32	C_1: "The fashion image shows a person descending a staircase in a store, wearing a jacket with palm tree prints on the back, black shorts, white socks, and white sneakers. The store has a modern interior with metal railings and various clothing items displayed in the background." C_2: "The outfit features a white jacket with black palm tree prints on the back, paired with black shorts and white socks. The materials include cotton for the jacket and possibly leather or a similar synthetic material for the shorts. The silhouette is loose for both the upper and lower body, creating a relaxed and casual look. The balance between the upper and lower body is harmonious, with the black and white color scheme providing a cohesive appearance. The unique feature of the outfit is the bold palm tree print on the back of the jacket, which adds a distinctive touch to the overall style." C_3: "The outfit features a monochromatic color scheme dominated by black and white. The primary colors are black shorts, a white shirt with a black palm tree print on the back, and white sneakers. An accent color, red, is used in the socks, adding a pop of color to the otherwise neutral palette. There are three distinct colors visible: black, white, and red. The contrast between the black shorts and white shirt creates a striking visual effect, while the red socks add an unexpected element that draws attention. This combination of colors contributes to a bold and modern aesthetic." C_4: "The outfit is suitable for summer in Japan, featuring light fabrics like the white t-shirt and shorts. The jacket with palm tree print adds a casual, warm-weather vibe. Layering is minimal, aligning with the season's norms. Accessories are simple, with white sneakers and socks. The ensemble is appropriate for the summer season in Japan." C_5: "The subject is positioned off-center, creating a dynamic composition that draws the eye along the staircase. The lighting is bright and even, ensuring clear visibility of the outfit's details without harsh shadows. This enhances the presentation by allowing viewers to appreciate the jacket's palm tree design and the overall ensemble."	**Ground Truth:** 7.170 **DEVL:** 7.548 **FFGLC-DEVL:** 7.835

Table 24. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2014/11/6 **Itemtags Count:** 0 **Post Count:** 34 **Followeing Count:** 72 **Follower Count:** 3480	C_1: "The fashion image shows a person wearing a dark-colored jumpsuit with a high collar, standing in front of vertical blinds. The individual is also wearing sunglasses and black shoes." C_2: "The individual is wearing a dark-colored, full-sleeved jumpsuit with a high collar and multiple pockets. The jumpsuit appears to be made of a smooth fabric, possibly cotton or a cotton blend. The silhouette is loose-fitting, providing a relaxed and comfortable look. The outfit's style is defined by the combination of practicality from the jumpsuit and a touch of modernity from the high collar and structured pockets. The balance between the upper and lower body is harmonious, with the jumpsuit maintaining a consistent width throughout." C_3: "The outfit is primarily composed of dark tones, with black being the dominant color. There are subtle accents of brown on the belt and shoes, adding a touch of warmth to the otherwise monochromatic ensemble. The overall aesthetic is sleek and modern, with the dark colors creating a sense of sophistication and elegance." C_4: "The outfit is suitable for autumn in Japan, as it features a heavy jacket and long sleeves, which are appropriate for cooler weather. The choice of dark colors and formal shoes also align with the season's typical fashion trends. However, the presence of sunglasses may be considered a bit unusual for autumn, as they are more commonly associated with sunny days in spring or summer." C_5: "The subject is positioned slightly off-center, creating a dynamic composition that draws the eye. The lighting is soft and even, with no harsh shadows, which highlights the outfit's details without detracting from its presentation. This balanced approach ensures the focus remains on the attire while maintaining visual interest through the subject's placement."	**Ground Truth:** 10.962 **DEVL:** 11.531 **FFGLC-DEVL:** 11.630

Table 25. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2023/12/1 **Itemtags Count:** 2 **Post Count:** 407 **Followeing Count:** 0 **Follower Count:** 65	C_1: "The fashion image shows a person wearing a black puffer jacket with a high collar, paired with black pants and black shoes. The individual is standing against a plain background, presenting a simple yet stylish outfit suitable for cold weather." C_2: "The outfit consists of a black puffer jacket with a high collar, worn over a white shirt. The jacket has a quilted design and appears to be made from a synthetic down filling. The individual is wearing black slim-fit trousers that taper towards the ankle, paired with black leather shoes. The silhouette is sleek and modern, with a balance between the upper and lower body. The high-neck jacket adds a unique feature, creating an asymmetrical look that contrasts with the fitted trousers." C_3: "The outfit features a monochromatic color scheme dominated by black, with subtle accents of white visible at the cuffs and collar of the jacket. The total number of distinct colors is two: black and white. The contrast between these colors creates a sleek and modern aesthetic, while the white accents add a touch of visual interest without overwhelming the overall look." C_4: "The outfit is suitable for winter in Japan, featuring a heavy-weight puffer jacket and dark pants. Layering with a t-shirt underneath the jacket provides warmth while maintaining style. The choice of black shoes complements the overall look. However, the outfit may be considered slightly light for the colder months in Japan, where heavier winter boots and thicker layers are often worn." C_5: "The subject is centered in the frame, creating a balanced composition that draws attention directly to them. The lighting is even and bright, with minimal shadows, which enhances visibility and allows for clear details of the outfit to be seen. This setup effectively showcases the clothing without any distractions or detracting elements."	**Ground Truth:** 10.116 **DEVL:** 8.149 **FFGLC-DEVL:** 7.999

Table 26. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2023/10/8 **Itemtags Count:** 3 **Post Count:** 425 **Followeing Count:** 14 **Follower Count:** 56	C_1: "The fashion image shows a person wearing a gray jacket, a teal shirt, and dark jeans. The outfit is completed with black socks." C_2: "The outfit consists of a loose-fitting olive green jacket with a structured collar and buttoned front, paired with a teal button-up shirt underneath. The person wears high-waisted, wide-legged dark denim jeans that create an asymmetrical silhouette with the jacket's length. The ensemble is completed with black socks. The combination of materials includes cotton for the shirt and possibly a synthetic blend for the jacket. The overall style leans towards a relaxed, contemporary look with a balance between the structured upper body and the loose lower body." C_3: "The outfit features a muted color palette dominated by shades of gray and black. The primary colors are gray, which is seen in the jacket and pants, and black, present in the shirt and socks. There is one accent color, teal, used on the shirt's collar and buttons, adding a subtle pop of color that contrasts with the otherwise monochromatic ensemble. The total number of distinct colors visible is three: gray, black, and teal. The combination creates a cohesive and modern look, with the teal providing a hint of vibrancy without overwhelming the understated tones." C_4: "The outfit is suitable for autumn, featuring a lightweight jacket and long pants. The layered look with a t-shirt underneath the jacket suggests a need for warmth while still allowing for breathability. The choice of dark colors aligns with typical autumn fashion trends in Japan." C_5: "The subject is centered in the frame, creating a balanced composition that draws attention to the outfit. The lighting is even with no harsh shadows, ensuring clear visibility of the clothing details. This enhances the presentation of the outfit by allowing viewers to see the textures and colors accurately."	**Ground Truth:** 8.758 **DEVL:** 7.647 **FFGLC-DEVL:** 7.865

Table 27. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2023/11/29 **Itemtags Count:** 2 **Post Count:** 957 **Followeing Count:** 57 **Follower Count:** 2400	C_1: "The fashion image shows a person standing on a zebra crossing, wearing a blue and white checkered puffer jacket, grey trousers, and black and white sneakers. The individual is posing with one hand in their pocket, looking off to the side, against a backdrop of a glass building with reflections." C_2: "The outfit features a blue and white checkered puffer jacket made of a soft, possibly fleece material. The silhouette is relaxed with a loose fit, providing comfort and warmth. The lower half consists of gray, straight-legged jeans that maintain a balanced proportion with the upper body. The black and white sneakers add a casual touch to the ensemble. The overall style is modern and comfortable, with a focus on practicality and a relaxed aesthetic." C_3: "The primary colors dominating the outfit are blue and gray, with black accents. The blue plaid jacket is the focal point, featuring shades of blue and white in its pattern. The gray pants provide a neutral base that complements the jacket. Black is used for the inner lining of the jacket and the shoes, adding contrast and depth to the ensemble. The combination of these colors creates a cohesive and visually appealing look, with the blue providing a pop of color against the more subdued gray and black elements." C_4: "The outfit is suitable for autumn in Japan, as indicated by the post date. The blue and white plaid jacket provides warmth with its thick fabric, while the grey pants offer a balance between comfort and style. The black and white sneakers are practical for walking around the city during cooler weather. The ensemble aligns well with the seasonal norms of Japan's autumn fashion, which often includes layering and comfortable yet stylish clothing." C_5: "The subject is positioned slightly off-center, creating a dynamic composition that draws the viewer's eye. The lighting is soft and even, with no harsh shadows, which enhances the visibility of the outfit's details. This balanced lighting and centered subject placement contribute to an aesthetically pleasing image that effectively showcases the outfit."	**Ground Truth:** 8.011 **DEVL:** 9.426 **FFGLC-DEVL:** 9.308

Table 28. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2022/8/10 **Itemtags Count:** 4 **Post Count:** 42 **Followeing Count:** 16 **Follower Count:** 31	C_1: "The fashion image shows a person standing in a parking garage, wearing a black t-shirt with white text, high-waisted blue jeans, and black shoes. They are accessorized with a belt featuring a prominent buckle and a watch on their left wrist. The individual is also holding sunglasses in their right hand and appears to be adjusting them. The background includes parked cars and the structural elements of the parking garage." C_2: "The outfit consists of a black, oversized T-shirt made from cotton, paired with high-waisted, loose-fitting blue jeans. The individual wears a belt with a prominent buckle, adding structure to the relaxed silhouette. The shoes are classic black leather boots, providing a balance between the upper and lower body. The overall style is casual yet trendy, with a focus on comfort and a relaxed fit." C_3: "The primary colors in the outfit are black and blue, with the black t-shirt and jeans dominating the ensemble. An accent color, gold, is used through the belt buckle and a watch, adding a touch of luxury to the casual look. There are three distinct colors visible: black, blue, and gold. The contrast between the dark clothing and the bright gold accessories creates visual interest, while the monochromatic scheme maintains a cohesive and stylish appearance." C_4: "The outfit is suitable for late summer or early autumn in Japan, as indicated by the light fabric of the t-shirt and the presence of a belt, which suggests layering. The jeans are appropriate for cooler weather, while the shoes are practical for walking. The accessories, such as the watch and sunglasses, complement the casual yet stylish look. The outfit aligns with seasonal norms in Japan, where people often wear lighter clothing during the summer months and transition to heavier layers as the season changes." C_5: "The subject is positioned off-center, creating a dynamic composition that draws the eye across the image. The lighting is even with no harsh shadows, ensuring clarity and visibility of the outfit's details. This balanced lighting and centered subject placement enhance the presentation of the attire, making it the focal point against the backdrop of the parking garage."	**Ground Truth:** 7.755 **DEVL:** 7.951 **FFGLC-DEVL:** 8.788

Table 29. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2024/4/26 **Itemtags Count:** 2 **Post Count:** 4708 **Followeing Count:** 37 **Follower Count:** 426	C_1: "The fashion image shows a person standing against a brick wall, wearing a black short-sleeved shirt with a white collar, olive green trousers, and blue sneakers. The individual has their hands in their pockets and is looking slightly to the side." C_2: "The outfit consists of a navy blue, short-sleeved, crew-neck t-shirt made from a smooth fabric, paired with olive green, loose-fitting trousers. The combination creates a relaxed silhouette. The person wears classic blue and white Converse sneakers, which add a casual touch to the ensemble. The balance between the upper and lower body is harmonious, with the t-shirt's simplicity complementing the relaxed fit of the trousers. The overall style is minimalist and contemporary, with a focus on comfort and ease." C_3: "The outfit features a navy blue t-shirt as the primary color, complemented by olive green trousers. Blue and white sneakers add an accent color to the ensemble. There are three distinct colors in the image: navy blue, olive green, and blue with white accents on the shoes. The navy blue t-shirt is the dominant color, creating a bold statement, while the olive green trousers provide a neutral balance. The blue and white sneakers introduce a playful contrast, adding visual interest without overwhelming the outfit's overall aesthetic." C_4: "The outfit is suitable for spring in Japan, as it features a lightweight t-shirt and comfortable trousers. The layered t-shirt with a white inner layer suggests the need for light layering due to mild temperatures. The blue sneakers are appropriate for spring footwear. However, the outfit lacks heavier outerwear or thicker fabrics that would be expected for colder spring mornings in Japan." C_5: "The subject is centered in the frame, creating a balanced composition that draws attention to their outfit. The lighting is even, with no harsh shadows, which enhances visibility and allows for clear observation of the clothing details. This setup effectively showcases the outfit without distraction, making it an effective composition for fashion evaluation purposes."	**Ground Truth:** 6.459 **DEVL:** 5.402 **FFGLC-DEVL:** 5.617

Table 30. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2022/11/9 **Itemtags Count:** 3 **Post Count:** 702 **Followeing Count:** 312 **Follower Count:** 2637	C_1: "The fashion image shows a person standing in front of a concrete structure, wearing a white puffer jacket, black trousers, and black boots. The individual is also wearing sunglasses with the name "Renli" written on them." C_2: "The outfit features a puffy, quilted beige jacket with a black collar, worn over a simple white t-shirt. The individual is dressed in high-waisted, wide-legged black trousers that create a relaxed silhouette. They are wearing black leather boots, which add a sleek contrast to the loose trousers. The ensemble is balanced with the structured jacket and the fluidity of the trousers, creating an asymmetrical yet harmonious look. The combination of materials, such as the softness of the jacket, the smoothness of the t-shirt, and the shine of the leather boots, adds depth to the outfit's texture." C_3: "The outfit features a neutral color palette dominated by white, black, and beige. The primary colors are white for the jacket and black for the trousers and boots, creating a monochromatic look. A small accent of gold is present in the necklace, adding a subtle touch to the ensemble. There are three distinct colors visible: white, black, and gold. The contrast between the light jacket and dark trousers creates visual interest, while the gold necklace provides a focal point that breaks up the monochrome scheme. This combination results in a stylish and modern aesthetic." C_4: "The outfit is suitable for autumn in Japan, featuring a light-weight puffer jacket and long pants, which are appropriate for cooler weather. The layered look with a t-shirt underneath the jacket adds warmth without being too heavy. Accessories like sunglasses and a beanie suggest a need for protection from the sun and potential cold temperatures. The choice of black boots is practical for walking on potentially wet or slippery surfaces during the rainy season that often accompanies autumn in Japan." C_5: "The subject is positioned centrally, creating a balanced composition that draws attention to the outfit. The lighting is bright and even, casting minimal shadows and ensuring high visibility of the clothing details. This enhances the presentation of the outfit by allowing viewers to clearly see the textures and colors of the clothing."	**Ground Truth:** 11.568 **DEVL:** 11.097 **FFGLC-DEVL:** 10.888

Table 31. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2023/7/28 **Itemtags Count:** 2 **Post Count:** 1587 **Followeing Count:** 18500 **Follower Count:** 27017	C_1: "The fashion image shows a person wearing a black outfit consisting of a long-sleeved shirt, pants, and shoes. The individual is standing against a red corrugated wall with one hand in their pocket and the other touching their head. The outfit appears to be loose-fitting and casual, with a monochromatic color scheme that contrasts sharply with the vibrant background." C_2: "The outfit consists of a black ensemble with a loose-fitting, oversized shirt and matching pants. The shirt has a relaxed silhouette with a draped front, while the pants appear to be straight-legged. Both pieces are made from a smooth fabric, possibly cotton or a cotton blend. The shoes are also black, maintaining the monochromatic theme. The overall style is minimalist and modern, with an emphasis on comfort and a relaxed fit." C_3: "The outfit features a monochromatic color scheme dominated by black, which is the primary color. The black beanie, shirt, pants, and shoes create a cohesive look. There are no accent colors used in this ensemble. The total number of distinct colors visible is one, which is black. The uniformity of the color palette contributes to a sleek and modern aesthetic." C_4: "The outfit is suitable for summer in Japan, as it features lightweight materials like cotton and loose-fitting pants. The ensemble includes a long-sleeved shirt and a beanie, which are not typical summer items but can provide comfort during warm weather. The black color palette is versatile and can be worn in various temperatures. However, the layered clothing might be considered slightly heavy for the peak summer months in Japan." C_5: "The subject is positioned slightly off-center, creating a dynamic composition that draws the eye. The lighting is even with no harsh shadows, ensuring clarity and visibility of the outfit's details. This balanced lighting and centered placement enhance the outfit's presentation by making it visually appealing and easy to examine."	**Ground Truth:** 8.791 **DEVL:** 9.186 **FFGLC-DEVL:** 9.587

Table 32. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2019/7/19 **Itemtags Count:** 3 **Post Count:** 31 **Followeing Count:** 4 **Follower Count:** 20	C_1: "The fashion image shows a person wearing a white t-shirt, dark green shorts, and colorful sneakers. The individual is standing against a plain wall with one hand on their hip and the other resting on the wall." C_2: "The outfit consists of a white t-shirt, dark green shorts, and colorful sneakers. The t-shirt appears to be made of cotton, while the shorts seem to be of a similar fabric. The sneakers have a vibrant design with multiple colors, suggesting a casual or sporty style. The silhouette is relaxed, with the shorts being loose-fitting and the t-shirt fitting loosely as well. The balance between upper and lower body is harmonious, with both the t-shirt and shorts providing ample space for movement. The colorful sneakers add a unique feature to the outfit, making it stand out." C_3: "The outfit features a white t-shirt as the primary color, which is complemented by dark green shorts. The sneakers are a mix of black, yellow, and blue, adding an accent color to the ensemble. There are four distinct colors in total: white, dark green, black, and yellow/blue. The contrast between the white t-shirt and dark green shorts creates a balanced look, while the colorful sneakers add a playful touch. The combination of these colors gives the outfit a casual yet stylish appearance." C_4: "The outfit is suitable for summer in Japan, featuring a light white t-shirt and dark shorts. The colorful sneakers add a playful touch. However, the choice of a t-shirt and shorts might be considered slightly heavy for the typical summer heat in Japan, where lighter fabrics like cotton or linen are preferred." C_5: "The subject is positioned off-center, leaning against a wall with one arm, which creates an interesting visual dynamic and draws attention to the outfit. The lighting is bright and even, casting minimal shadows and ensuring high visibility of the clothing details. This enhances the presentation of the outfit by making it clear and easy to see."	**Ground Truth:** 9.678 **DEVL:** 9.181 **FFGLC-DEVL:** 9.213

Table 33. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2023/1/13 **Itemtags Count:** 4 **Post Count:** 26 **Followeing Count:** 3 **Follower Count:** 666	C_1: "The fashion image shows a person standing in front of a wall adorned with numerous colorful pinwheels. The individual is wearing a brown jacket, beige pants, and a face mask, holding a yellow bottle in their hand." C_2: "The outfit consists of a brown suede jacket, a patterned shirt with a mix of stripes and checks, and beige trousers. The materials used are a combination of suede for the jacket and what appears to be cotton or a cotton blend for the shirt. The silhouette is loose-fitting, with the jacket providing structure while the trousers are relaxed. The balance between upper and lower body is harmonious, with the patterned shirt adding visual interest without overwhelming the simplicity of the trousers. The unique feature of the outfit is the combination of textures and patterns, creating a casual yet stylish look." C_3: "The outfit features a combination of earthy tones and subtle accents. The primary colors include brown from the jacket, beige from the pants, and a mix of white, black, and gray in the patterned shirt. A yellow bottle adds a pop of color to the ensemble. The colors complement each other, creating a cohesive and warm look. The use of neutral colors with a single accent piece provides a balanced and stylish appearance." C_4: "The outfit is suitable for winter in Japan, featuring a warm brown jacket and beige pants. The layered clothing suggests cooler temperatures, while the accessories like the face mask indicate a need for protection against potential cold-related illnesses. The choice of colors and materials align with typical winter fashion in Japan, which often includes heavier fabrics and earthy tones to combat the cold weather." C_5: "The subject is centered in the image, creating a balanced composition. The lighting is even, with no harsh shadows, which enhances visibility and allows for clear details of the outfit to be seen. The background features a patterned wall that adds visual interest without detracting from the subject. Overall, the image effectively showcases the outfit with good composition and lighting."	**Ground Truth:** 7.943 **DEVL:** 8.515 **FFGLC-DEVL:** 8.677

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Table 34. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2024/2/1 **Itemtags Count:** 3 **Post Count:** 108 **Followeing Count:** 2106 **Follower Count:** 346	C_1: "The fashion image shows a person wearing a black outfit consisting of a long coat, pants, and a hat. The individual is posing with one hand on their hip and the other arm extended, casting a shadow on the wall behind them." C_2: "The outfit consists of a black coat with a flowing silhouette, paired with loose-fitting trousers. The coat appears to be made of a lightweight fabric, possibly wool or a wool blend, given its drape and texture. The trousers are also likely made of a similar material, contributing to the overall relaxed fit. The ensemble is balanced with a structured hat that adds an element of sophistication. The asymmetry in the coat's length, which extends longer at the back than the front, creates a unique visual interest. This combination of materials, silhouette, and asymmetry defines a contemporary and stylish look." C_3: "The outfit is primarily black, with a monochromatic color scheme that creates a sleek and sophisticated look. The black coat, pants, hat, and shoes form a cohesive ensemble. There are no accent colors visible in the image, which emphasizes the simplicity and elegance of the design. The uniformity of the black tones contributes to a streamlined silhouette and a modern aesthetic." C_4: "The outfit is suitable for winter in Japan, featuring a heavy coat and layered clothing. The choice of black clothing aligns with the typical winter palette in Japan. However, the presence of a hat suggests an emphasis on warmth rather than traditional seasonal norms." C_5: "The subject is positioned off-center, creating a dynamic composition that draws the eye. The lighting is soft and even, highlighting the outfit's details without harsh shadows. This balanced lighting and strategic subject placement enhance the outfit's presentation by making it visually appealing and easy to see."	**Ground Truth:** 10.029 **DEVL:** 8.889 **FFGLC-DEVL:** 8.647

Table 35. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2024/4/27 **Itemtags Count:** 1 **Post Count:** 2306 **Followeing Count:** 26 **Follower Count:** 1377	C_1: "The fashion image shows a person standing in a narrow space with brick walls, wearing a white t-shirt with a clown graphic, beige pants, and checkered shoes. They are also wearing a bucket hat and sunglasses." C_2: "The outfit consists of a white t-shirt with a graphic print of a clown face, beige trousers, and checkered shoes. The materials appear to be cotton for the t-shirt and possibly cotton or a cotton blend for the trousers and shoes. The silhouette is casual and relaxed, with the t-shirt fitting loosely and the trousers having a loose fit as well. The shoes have a classic checkered pattern, adding a touch of vintage style to the overall look. The outfit has a balanced lower body silhouette, but the upper body appears slightly more relaxed due to the loose-fitting t-shirt. The unique feature of the outfit is the graphic print on the t-shirt, which adds a bold statement piece to the otherwise simple ensemble." C_3: "The outfit features a white t-shirt with a red clown face graphic, beige pants, and black-and-white checkered shoes. The primary colors are white (t-shirt), red (clown face), and beige (pants). The black-and-white pattern on the shoes adds an accent color. There are three distinct colors in the outfit. The white dominates, creating a neutral base, while the red clown face adds a bold pop of color. The beige pants provide a subtle contrast to the brighter elements. The checkered shoes introduce a playful pattern that breaks up the solid colors, adding visual interest without overwhelming the overall aesthetic." C_4: "The outfit is suitable for spring in Japan, as it includes a light t-shirt and loose-fitting pants, which are appropriate for warmer weather. The bucket hat and sunglasses provide sun protection, while the checkered shoes add a casual touch. The outfit's layering is minimal, aligning with the season's transitional nature. However, the choice of a t-shirt over a long-sleeve shirt or a jacket might be considered a bit too light for some spring days in Japan, where temperatures can fluctuate." C_5: "The subject is centered in the frame, creating a balanced composition that draws attention to their outfit. The lighting is even, with no harsh shadows, which enhances visibility and allows for clear details of the clothing to be seen. The outfit's presentation is not detracted from by these elements, as the simplicity of the background ensures the focus remains on the attire."	**Ground Truth:** 3.907 **DEVL:** 5.037 **FFGLC-DEVL:** 4.723

Table 36. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2023/5/24 **Itemtags Count:** 5 **Post Count:** 1255 **Followeing Count:** 463 **Follower Count:** 1370	C_1: "The fashion image shows a person standing against a blue and white wall, wearing a light beige jacket over a white shirt, paired with high-waisted pink trousers and white sneakers. The outfit is complemented by the person's dark hair and they are looking off to the side." C_2: "The outfit features a light beige, oversized blazer made of a soft fabric, paired with high-waisted, wide-legged pink trousers. The combination creates a relaxed yet stylish silhouette. The balance between the upper and lower body is harmonious, with the loose blazer complementing the voluminous trousers. The outfit's unique feature is the color contrast between the neutral beige blazer and the vibrant pink trousers, which adds a playful touch to the overall look." C_3: "The outfit features a palette dominated by soft, neutral tones. The primary colors include beige in the jacket and light pink in the trousers, which create a harmonious and calming effect. An accent color, white, is used for the sneakers, adding contrast and a fresh element to the ensemble. There are three distinct colors visible: beige, light pink, and white. The combination of these colors provides a balanced and visually appealing look, with the neutral base complemented by the subtle pops of color from the accent footwear." C_4: "The outfit is suitable for spring in Japan, featuring a light jacket and loose-fitting trousers. The choice of light fabric and layering aligns with the season's mild temperatures. Accessories are minimal, which is typical for spring fashion in Japan." C_5: "The subject is positioned slightly off-center, creating a dynamic composition that draws the eye. The lighting is soft and even, highlighting the outfit without creating harsh shadows or overexposure. This balanced lighting enhances the outfit's presentation by ensuring all details are visible and well-defined."	**Ground Truth:** 8.665 **DEVL:** 8.871 **FFGLC-DEVL:** 8.771

Table 37. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2023/5/30 **Itemtags Count:** 4 **Post Count:** 43 **Followeing Count:** 3 **Follower Count:** 731	C_1: "The fashion image shows a person standing against a white wall, wearing sunglasses, a patterned shirt with a diagonal stripe detail, black trousers, and black shoes. The individual has short hair and is accessorized with a necklace and bracelets." C_2: "The outfit consists of a loose-fitting, cream-colored, patterned shirt paired with black trousers. The shirt appears to be made of a lightweight fabric, possibly cotton or a cotton blend, while the trousers seem to be of a heavier material, potentially wool or a wool-like synthetic. The silhouette is relaxed and balanced, with the upper body's loose fit complementing the straight-cut trousers. The asymmetry in the shirt's length adds a unique touch to the overall style, creating an interesting visual dynamic." C_3: "The outfit features a cream-colored, patterned shirt as the primary color, which is complemented by black trousers and black shoes. The sunglasses add a contrasting dark element to the ensemble. There are three distinct colors visible: cream, black, and the dark tones of the sunglasses. The cream shirt stands out against the black trousers, creating a balanced contrast that adds visual interest. The overall aesthetic is modern and stylish, with the neutral palette offering versatility for various settings." C_4: "The outfit is suitable for spring in Japan, featuring a lightweight, short-sleeved shirt and loose-fitting pants. The ensemble includes accessories like sunglasses and a crossbody bag, which are practical for sunny days. The choice of footwear, black shoes, is appropriate for the season's mild temperatures. However, the outfit may be considered slightly too casual for a more formal spring event in Japan." C_5: "The subject is positioned slightly off-center to the left, creating a dynamic composition that draws attention to their outfit. The lighting is bright and even, casting minimal shadows and ensuring high visibility of the subject's attire. This enhances the presentation of the outfit by allowing clear visibility of the textures and patterns on the clothing."	**Ground Truth:** 8.066 **DEVL:** 7.773 **FFGLC-DEVL:** 8.161

Table 38. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2024/4/27 **Itemtags Count:** 3 **Post Count:** 144 **Followeing Count:** 4 **Follower Count:** 8	C_1: "The fashion image shows a person wearing a black outfit consisting of a long-sleeved shirt, wide-legged pants, and a jacket. They are also carrying a small black handbag with a circular clasp. The individual has short hair and is standing against a plain background." C_2: "The outfit consists of a black, oversized shirt with a relaxed fit and a pair of wide-legged, dark gray trousers. The shirt appears to be made of a lightweight fabric, possibly cotton or a cotton blend, while the trousers seem to be made of a heavier material, such as wool or a wool-like synthetic. The silhouette is loose and asymmetrical, with the shirt extending past the waistline of the trousers. The outfit has a minimalist aesthetic with no visible embellishments or patterns. The overall style is modern and contemporary, with an emphasis on comfort and a relaxed fit." C_3: "The outfit is primarily composed of black, with subtle accents of silver from the chain necklace and the metallic detail on the bag. The monochromatic color scheme creates a sleek and modern look, while the silver accents add a touch of elegance and contrast to the dark tones. The overall aesthetic is minimalist and sophisticated." C_4: "The outfit is suitable for spring in Japan, characterized by its lightweight fabric and layering. The individual wears a black jacket with a loose fit, which can be easily removed or added depending on the temperature. The wide-legged pants are also appropriate for warmer weather, providing ample airflow. Accessories like the small black bag complement the ensemble without adding bulk. The outfit aligns well with spring fashion norms in Japan, which often favor light, airy materials and comfortable fits." C_5: "The subject is positioned slightly off-center to the right, creating a dynamic composition that draws attention to their outfit. The lighting is soft and even, highlighting the outfit's details without creating harsh shadows or overexposure. This balanced lighting enhances the outfit's presentation by ensuring all elements are clearly visible, contributing to an overall polished and stylish appearance."	**Ground Truth:** 3.322 **DEVL:** 3.439 **FFGLC-DEVL:** 2.991

Table 39. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2024/3/19 **Itemtags Count:** 3 **Post Count:** 645 **Followeing Count:** 87 **Follower Count:** 756	C_1: "The fashion image shows a person wearing a green jacket, white shirt, blue jeans, and brown shoes. They are holding a green cup in one hand and a white napkin in the other. The person is standing on a tiled floor with metal chairs and tables in the background, suggesting an outdoor or semi-outdoor setting, possibly a café or restaurant patio." C_2: "The outfit features a green sleeveless vest over a white long-sleeve shirt, paired with loose blue jeans. The materials include cotton for the shirt and possibly synthetic fabric for the vest. The silhouette is casual with a relaxed fit, creating an asymmetrical balance between the upper and lower body. The combination of a structured vest with loose jeans adds a unique, laid-back style to the ensemble." C_3: "The outfit features a combination of primary and accent colors. The dominant color is green, seen in the sleeveless vest, which adds a vibrant touch to the ensemble. Blue jeans provide a classic contrast, while the white long-sleeve shirt underneath offers a neutral base. The brown shoes add an earthy tone that complements the green. The black backpack and chair introduce additional shades, grounding the look. The overall aesthetic is balanced with the green and blue creating a harmonious color palette, and the white and brown adding depth and warmth." C_4: "The outfit is suitable for spring in Japan, featuring a lightweight green jacket and a long-sleeve white shirt. The denim jeans and sturdy shoes are practical for the transitional weather. Accessories like the backpack and keys suggest preparedness for daily activities. The ensemble aligns with seasonal norms, offering layering options for varying temperatures." C_5: "The subject is positioned centrally in the frame, creating a balanced composition. The lighting is even with no harsh shadows, ensuring clear visibility of the outfit's details. The neutral background and outdoor setting do not distract from the subject, effectively highlighting the clothing and accessories."	**Ground Truth:** 8.647 **DEVL:** 8.450 **FFGLC-DEVL:** 8.429

Table 40. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2024/2/13 **Itemtags Count:** 6 **Post Count:** 2660 **Followeing Count:** 26 **Follower Count:** 61412	C_1: "The fashion image shows a person standing in an empty room, wearing a brown jacket, black pants with pockets, white sneakers, and sunglasses. The individual has long hair and is carrying a backpack." C_2: "The outfit consists of a brown bomber jacket, a white t-shirt, black cargo pants, and white sneakers with black accents. The materials appear to be a mix of cotton for the t-shirt and possibly synthetic fabric for the bomber jacket. The silhouette is loose, with the cargo pants having a relaxed fit and pockets adding an asymmetrical element. The balance between upper and lower body is harmonious, with the casual style of the jacket complementing the relaxed fit of the pants. The sneakers add a sporty touch to the overall look." C_3: "The outfit features a combination of neutral and earth tones. The primary colors dominating the ensemble are brown, black, and white. The brown jacket serves as the focal point, complemented by the black pants and backpack. White sneakers add contrast to the darker elements. There is one distinct color visible, which is the white used in the sneakers and the inner lining of the jacket. The color palette creates a cohesive and balanced look, with the earthy tones providing warmth and the white adding a clean, modern touch." C_4: "The outfit is suitable for spring in Japan, as it includes a lightweight jacket and layered t-shirt. The fabric weight appears appropriate for mild temperatures, and the accessories like sunglasses and a backpack are practical for outdoor activities. However, the choice of white sneakers might be considered unconventional for spring in Japan, where darker colors are often preferred." C_5: "The subject is positioned off-center, creating a dynamic composition that draws the eye across the image. The lighting is bright and even, with minimal shadows, which enhances visibility and allows for clear details of the outfit to be seen. This balanced lighting and centered subject placement contribute positively to the overall presentation of the attire."	**Ground Truth:** 9.190 **DEVL:** 9.362 **FFGLC-DEVL:** 9.683

Table 41. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2023/6/24 **Itemtags Count:** 7 **Post Count:** 302 **Followeing Count:** 333 **Follower Count:** 810	C_1: "The fashion image shows a person wearing a light blue button-up shirt, a striped undershirt, purple cargo shorts, white socks, and brown shoes. They are also wearing a dark cap and have a necklace with a pendant. The individual is standing in front of a green hedge with some reddish leaves." C_2: "The outfit features a light blue, loose-fitting button-up shirt paired with a striped, fitted undershirt and purple cargo shorts. The ensemble is completed with brown leather shoes and white socks. The combination of materials includes cotton for the shirt and shorts, and leather for the shoes. The silhouette is relaxed with a balance between the upper and lower body, as the fitted undershirt contrasts with the loose shirt. The asymmetry is highlighted by the contrasting textures and fits of the different pieces, creating a casual yet stylish look." C_3: "The primary colors in the outfit are blue, brown, and white. The blue is seen in the shirt and cap, while the brown is present in the shorts and shoes. The white is used as an accent color on the stripes of the undershirt and the socks. There are three distinct colors visible. The blue and brown create a cool-toned contrast, while the white adds a neutral balance. This combination creates a casual yet stylish look that is visually appealing due to the harmonious color palette." C_4: "The outfit is suitable for summer in Japan, featuring light fabrics like the blue shirt and shorts. Layering with a t-shirt underneath adds versatility. The cap provides sun protection, and the brown shoes are appropriate for warm weather. However, the outfit may be slightly too casual for formal summer events in Japan." C_5: "The subject is positioned slightly off-center, creating a dynamic composition that draws the eye. The lighting is natural and even, with no harsh shadows, which enhances the visibility of the outfit's details. This balanced presentation allows for a clear view of the clothing and accessories, making the overall image more appealing and focused on the subject's attire."	**Ground Truth:** 9.420 **DEVL:** 10.069 **FFGLC-DEVL:** 9.786

Table 42. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2023/6/3 **Itemtags Count:** 6 **Post Count:** 423 **Followeing Count:** 9 **Follower Count:** 66	C_1: "The fashion image shows a person standing in front of a closed metal shutter, wearing a black jacket, light-colored pants, and dark shoes. They have a backpack on their back and are looking off to the side with a thoughtful expression. The ground is made of patterned tiles, adding a touch of color to the otherwise monochromatic scene." C_2: "The outfit consists of a black jacket, light-colored cargo pants, and dark sneakers. The jacket appears to be made of a lightweight fabric, possibly cotton or a cotton blend, with a loose silhouette that drapes over the body. The cargo pants have a relaxed fit with multiple pockets, suggesting a casual style. The sneakers are low-top with a simple design, complementing the overall laid-back aesthetic. The balance between the upper and lower body is harmonious, with the loose jacket and relaxed pants creating a cohesive look. Unique features include the cargo pants' utility-inspired design and the sneakers' classic silhouette." C_3: "The primary colors dominating the outfit are black and white, with the black jacket and backpack being the most prominent. The light gray pants provide a neutral accent that balances the dark tones. There is one distinct color visible, which is the black of the shoes. The contrast between the black jacket and the lighter gray pants creates a visually appealing balance, while the white shirt underneath adds a subtle layer of complexity to the overall aesthetic." C_4: "The outfit is suitable for spring or early summer in Japan, as indicated by the light fabric weight and layering. The individual wears a lightweight jacket, t-shirt, and loose-fitting pants, which are appropriate for mild temperatures. Accessories like the backpack and sneakers also align with casual, comfortable attire for this season. There are no significant discrepancies between the outfit and expected seasonal norms in Japan." C_5: "The subject is positioned slightly off-center to the right, creating a dynamic composition that draws attention to their outfit. The lighting is even with no harsh shadows, ensuring clear visibility of the clothing details. This balanced lighting and centered subject placement enhance the outfit's presentation by making it the focal point of the image."	**Ground Truth:** 7.972 **DEVL:** 9.084 **FFGLC-DEVL:** 9.355

Table 43. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2021/10/6 **Itemtags Count:** 3 **Post Count:** 87 **Followeing Count:** 807 **Follower Count:** 611	C_1: "The fashion image shows a person standing against a plain wall wearing a horizontally striped long-sleeve shirt, olive green trousers, and a black bucket hat. The outfit is casual with a relaxed fit, and the person's pose suggests a laid-back attitude." C_2: "The outfit features a horizontally striped, long-sleeved shirt made of a lightweight fabric, possibly cotton or a cotton blend. The trousers are loose-fitting and appear to be made of a sturdy material like wool or a wool-like synthetic. The silhouette is relaxed with a balance between the upper and lower body, creating a harmonious look. The bucket hat adds a unique touch, contributing to a casual yet stylish aesthetic." C_3: "The outfit features a primary color scheme dominated by navy blue and white stripes on the long-sleeved shirt, which creates a classic and nautical look. The khaki pants provide a neutral accent that balances the boldness of the striped shirt. There are three distinct colors visible: navy blue, white, and khaki. The combination of these colors gives the outfit a cohesive and timeless appeal, with the navy and white stripes drawing attention to the upper body while the khaki pants maintain a relaxed and casual feel." C_4: "The outfit is suitable for autumn in Japan, featuring a long-sleeved striped t-shirt and loose-fitting trousers. The ensemble includes a bucket hat, which is practical for sunny days, and the choice of fabric suggests layering for cooler temperatures. The outfit aligns with seasonal norms, offering warmth while maintaining a casual style." C_5: "The subject is positioned slightly off-center to the right, creating a dynamic composition that draws attention to their outfit. The lighting is even and bright, ensuring clear visibility of the clothing details without harsh shadows or overexposure. This balanced lighting enhances the outfit's presentation by allowing viewers to appreciate the textures and patterns of the clothing."	**Ground Truth:** 8.229 **DEVL:** 8.612 **FFGLC-DEVL:** 8.364

Table 44. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2024/4/11 **Itemtags Count:** 3 **Post Count:** 199 **Followeing Count:** 0 **Follower Count:** 42	C_1: "The fashion image shows a person standing in front of a red door, wearing a white t-shirt, blue jeans, and brown boots. They have a black beanie on their head and are looking down at the floor with their hands in their pockets. The setting includes a wooden stool, a potted plant, and a ladder leaning against the wall." C_2: "The outfit features a white cotton t-shirt paired with loose-fitting blue denim jeans, creating a relaxed silhouette. The individual is wearing sturdy brown leather boots that add a rugged element to the ensemble. A black beanie with a distinctive red logo provides a pop of color and texture contrast. The balance between the upper and lower body is harmonious, with the casual t-shirt and jeans complementing each other. The unique feature of this outfit is the combination of comfort and practicality, highlighted by the choice of materials and the overall laid-back style." C_3: "The primary colors in the outfit are white for the t-shirt and blue for the jeans. The accent color is black, used for the beanie and boots. There are three distinct colors visible: white, blue, and black. The white t-shirt provides a clean base, while the blue jeans add a casual touch. The black beanie and boots create a cohesive look and add depth to the outfit. The combination of these colors creates a balanced and stylish appearance." C_4: "The outfit is suitable for spring in Japan, as it includes a light t-shirt and denim pants, which are appropriate for mild temperatures. The brown boots add a layer of warmth, while the beanie could be for protection against early morning or evening chill. The overall ensemble aligns with spring fashion norms in Japan, which often feature lighter fabrics and layers to accommodate fluctuating temperatures." C_5: "The subject is positioned off-center, creating a dynamic composition that draws the eye across the image. The lighting is even with no harsh shadows, ensuring clarity and visibility of the outfit's details. The off-center placement and balanced lighting enhance the outfit's presentation by making it visually appealing and easy to examine."	**Ground Truth:** 6.943 **DEVL:** 5.885 **FFGLC-DEVL:** 6.026

Table 45. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2022/8/18 **Itemtags Count:** 3 **Post Count:** 231 **Followeing Count:** 10 **Follower Count:** 92	C_1: "The fashion image shows a person standing in front of a wall with framed pictures. The individual is wearing a beige t-shirt, navy blue trousers, and white sneakers. The person has their hands in their pockets and appears to be posing for the photograph." C_2: "The outfit consists of a light beige, short-sleeved t-shirt and navy blue, wide-legged trousers. The materials appear to be cotton for the t-shirt and possibly a cotton blend or polyester for the trousers. The silhouette is relaxed with a balance between the upper and lower body, as the loose t-shirt contrasts with the wide-legged trousers. The combination of these elements creates a casual, comfortable style that is both trendy and functional." C_3: "The outfit features a neutral palette with a beige t-shirt as the primary color, complemented by navy blue trousers. The white sneakers serve as an accent color, adding contrast and visual interest to the ensemble. There are three distinct colors in the image: beige, navy blue, and white. The combination of these colors creates a balanced and harmonious look, with the neutral tones providing a classic and versatile foundation." C_4: "The outfit is suitable for late summer or early autumn in Japan. The light fabric of the t-shirt and the rolled-up sleeves suggest a warm climate, while the dark blue trousers provide a balance by being slightly heavier. The white sneakers are versatile for various temperatures. The ensemble is appropriate for layering as the weather cools down. There are no significant discrepancies between the outfit and expected seasonal norms in Japan during this time of year." C_5: "The subject is centered in the frame, creating a balanced composition that draws attention to their outfit. The lighting is even, with no harsh shadows, which enhances visibility and allows for clear observation of the clothing details. This setup effectively showcases the outfit without detracting from its presentation."	**Ground Truth:** 7.672 **DEVL:** 8.454 **FFGLC-DEVL:** 8.080

Table 46. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2022/7/30 **Itemtags Count:** 5 **Post Count:** 2128 **Followeing Count:** 1223 **Follower Count:** 52922	C_1: "The fashion image shows a person wearing a light gray short-sleeved shirt, a brown tie, brown trousers, and black shoes. They are also holding a black bag in their right hand and wearing a black face mask. The individual is standing against a plain white background." C_2: "The outfit consists of a light gray, short-sleeved shirt paired with brown wide-leg trousers. The shirt appears to be made of a lightweight fabric, possibly cotton or a cotton blend, while the trousers seem to be of a heavier material, potentially wool or a wool-like synthetic. The silhouette is loose and relaxed, with the upper body fitting comfortably and the lower body offering ample room. The balance between the upper and lower body is harmonious, with no significant asymmetry. The ensemble is completed with black shoes and a black bag, adding a classic touch to the overall look." C_3: "The outfit features a combination of neutral and earth tones. The primary colors dominating the ensemble are shades of gray, brown, and black. The gray shirt serves as the base, complemented by the brown tie and pants, which add depth to the look. The black mask and shoes provide contrast, grounding the outfit. There are three distinct colors visible: gray, brown, and black. The color palette creates a cohesive and professional appearance, suitable for formal or business settings." C_4: "The outfit is suitable for summer in Japan, featuring light fabrics like the short-sleeved shirt and loose-fitting trousers. The dark tie adds a touch of formality, while the black mask provides protection against pollution or allergens commonly found in urban environments during this season. The choice of shoes is practical for warm weather, but the overall ensemble is well-balanced with both casual and formal elements." C_5: "The subject is positioned centrally against a plain background, creating a balanced composition that draws attention to the outfit. The lighting is even with no harsh shadows, ensuring clear visibility of the clothing details. This setup enhances the presentation of the outfit by allowing viewers to focus on the attire without distraction from the background or uneven lighting."	**Ground Truth:** 11.279 **DEVL:** 11.433 **FFGLC-DEVL:** 11.462

Table 47. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2024/3/16 **Itemtags Count:** 3 **Post Count:** 26 **Followeing Count:** 41 **Follower Count:** 15	C_1: "The fashion image shows a person taking a mirror selfie in a room filled with clothes. The individual is wearing a blue jacket, beige pants, and holding a phone to capture the photo." C_2: "The outfit consists of a blue jacket with a hood, a blue shirt underneath, and beige pants. The jacket appears to be made of a synthetic material, possibly nylon or polyester, while the shirt seems to be cotton. The pants are loose-fitting, providing a relaxed silhouette. The balance between the upper and lower body is harmonious, with both the jacket and shirt sharing similar colors. The unique feature of this outfit is the combination of a sporty jacket with casual beige pants, creating a casual yet stylish look." C_3: "The outfit features a dominant blue color on the jacket, which is complemented by a lighter blue shirt underneath. The beige pants provide a neutral base that contrasts with the blue tones. There are at least three distinct colors: blue, beige, and white (from the shirt). The combination creates a balanced and harmonious look, with the blue providing a pop of color against the neutral beige pants." C_4: "The outfit is suitable for spring in Japan, with a lightweight jacket and long pants. The layered clothing suggests a transitional season where temperatures fluctuate. The choice of fabric weight and layering aligns with typical spring fashion in Japan." C_5: "The subject is centered in the frame, creating a balanced composition. The lighting is even, with no harsh shadows, which enhances visibility and allows for clear observation of the outfit's details. The centered placement and good lighting contribute to an effective presentation of the attire."	**Ground Truth:** 7.238 **DEVL:** 7.070 **FFGLC-DEVL:** 7.264

Table 48. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2023/10/28 **Itemtags Count:** 5 **Post Count:** 1 **Followeing Count:** 1 **Follower Count:** 1	C_1: "The fashion image shows a person standing on a bridge with their arms crossed, wearing sunglasses, a jacket, a white shirt, cargo pants, and sneakers. The background features a large white structure with the words "DELTSEBRUG" visible, suggesting the location might be near a body of water or in a city with a maritime theme." C_2: "The outfit consists of a denim jacket, a white shirt, and loose-fitting cargo pants. The materials include cotton for the denim jacket and pants, and possibly synthetic fibers for the shirt. The silhouette is relaxed with a balance between the upper and lower body, as the loose pants are complemented by a fitted jacket. The asymmetry is evident in the length of the pants, which extends past the shoes, creating an unconventional style." C_3: "The primary colors dominating the outfit are blue, white, and black. The blue comes from the denim jeans and jacket, while the white is seen in the shirt and the building's facade. The black is present in the shoes and the bag. There are two accent colors: a greenish hue on the belt buckle and a red detail on the belt loop. The total number of distinct colors visible is five. The blue and white create a classic and timeless look, while the black adds a modern touch. The greenish accent adds a pop of color, and the red detail provides a bold contrast. Together, these colors create a visually appealing and stylish outfit." C_4: "The outfit is suitable for autumn, featuring a lightweight jacket and long pants. The layered look with a t-shirt underneath the jacket suggests a need for warmth while still allowing for breathability. Accessories like sunglasses and a bag are practical for outdoor activities during this season. The outfit aligns well with autumnal fashion norms in Japan, which often include layering and comfortable fabrics to accommodate fluctuating temperatures." C_5: "The subject is positioned off-center, creating a dynamic composition that draws the eye across the image. The lighting is bright with soft shadows, enhancing the visibility of the outfit's details and textures. This balanced lighting and strategic subject placement contribute to an aesthetically pleasing presentation of the attire."	**Ground Truth:** 9.111 **DEVL:** 7.894 **FFGLC-DEVL:** 8.607

Table 49. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2022/11/22 **Itemtags Count:** 4 **Post Count:** 21351 **Followeing Count:** 526 **Follower Count:** 390	C_1: "The fashion image shows a person wearing a purple beanie, glasses, a grey sweater, and white sneakers with yellow accents. They are standing in a room with wooden doors and a green cabinet." C_2: "The outfit features a knitted purple beanie, a textured gray sweater, and loose-fitting jeans. The shoes are white with gold accents. The ensemble is balanced with the upper body's bulkiness offset by the relaxed fit of the lower body. The unique feature is the combination of textures and colors, creating a casual yet stylish look." C_3: "The primary colors dominating the outfit are purple, from the beanie, and white, from the sneakers. An accent color, green, is used in the shoebox on the floor. There are three distinct colors visible: purple, white, and green. The purple beanie adds a pop of color to the otherwise neutral-toned outfit, while the white sneakers provide a clean contrast. The green shoebox introduces an unexpected element that breaks up the monotony. Together, these colors create a visually appealing and cohesive look." C_4: "The outfit is suitable for autumn in Japan, featuring a thick knit sweater and a beanie. The choice of clothing aligns with the season's cooler temperatures, providing warmth while maintaining style. Layering is evident with the sweater over a t-shirt, which is appropriate for the transitional weather. Accessories like the beanie are practical for colder days. The outfit is well-suited for the autumn season in Japan, adhering to seasonal norms." C_5: "The subject is positioned off-center, creating an asymmetrical composition that draws the eye to their attire. The lighting is even, with no harsh shadows, ensuring clear visibility of the outfit's details. This balanced lighting and centered subject placement enhance the presentation of the clothing, making it the focal point of the image."	**Ground Truth:** 6.476 **DEVL:** 6.883 **FFGLC-DEVL:** 6.654

Table 50. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2023/11/19 **Itemtags Count:** 6 **Post Count:** 234 **Followeing Count:** 16 **Follower Count:** 409	C_1: "The fashion image shows a person standing outdoors, wearing a black textured jacket over a yellow and brown patterned shirt, paired with gray wide-leg pants. They are accessorized with a chunky yellow necklace and carrying a bright yellow handbag. The individual is also wearing sunglasses and has their hair styled in a sleek manner. The backdrop features a white wall with a black wrought iron fence and some greenery." C_2: "The outfit features a textured, possibly woolen, dark blazer with a structured silhouette. The individual wears loose-fitting, high-waisted jeans that create an asymmetrical balance with the fitted blazer. A bright yellow handbag adds a pop of color and contrasts with the darker tones of the clothing. The ensemble is accessorized with chunky, patterned boots and layered necklaces, contributing to a bold and eclectic style." C_3: "The outfit features a dominant dark color palette, primarily black and gray, which provides a sleek and modern base. Accent colors include vibrant yellow from the handbag and a contrasting gold chain, adding visual interest and breaking the monotony of the darker tones. The total number of distinct colors is three: black, gray, and yellow/gold. The yellow handbag stands out against the dark clothing, while the gold chain adds a touch of luxury. Together, these colors create a bold yet sophisticated look that balances edginess with elegance." C_4: "The outfit is suitable for autumn, featuring a textured jacket and wide-legged pants that provide warmth while allowing for layering. The yellow accessories add a pop of color, which is often seen in autumn fashion trends. The choice of fabric weight and layering aligns with the cooler temperatures of the season. However, the bright yellow handbag may be considered a bit bold for the typically more subdued autumn palette in Japan." C_5: "The subject is positioned off-center, creating a dynamic composition that draws the eye across the image. The lighting is bright with clear shadows, enhancing the visibility of the outfit's details and textures. This balance between subject placement and lighting quality effectively showcases the outfit without detracting from its presentation."	**Ground Truth:** 8.721 **DEVL:** 9.192 **FFGLC-DEVL:** 9.179

Table 51. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2024/1/24 **Itemtags Count:** 5 **Post Count:** 94 **Followeing Count:** 41 **Follower Count:** 34	C_1: "The fashion image shows a person wearing a dark blue tracksuit with white stripes and the word "EXCHANGE" printed on the jacket. They are also wearing black and white sneakers and holding a black bag with the letters "AX" on it. The person is standing in an indoor setting, possibly near a door or entrance." C_2: "The outfit consists of a navy blue tracksuit with white stripes on the sleeves and pants, paired with a black jacket featuring white text. The person wears white sneakers with black accents. The ensemble is balanced with the jacket's structured silhouette complementing the relaxed fit of the tracksuit. The combination of materials includes cotton for the tracksuit and possibly synthetic fabric for the jacket. The overall style is casual yet trendy, with a monochromatic color scheme and a mix of textures." C_3: "The outfit features a monochromatic color scheme dominated by navy blue, which is used for the tracksuit and jacket. White accents are present in the form of stripes on the tracksuit pants and the sole of the sneakers, providing contrast and visual interest. The black bag with white lettering adds another accent color to the ensemble. The overall aesthetic is cohesive and modern, with the use of a limited color palette creating a streamlined look." C_4: "The outfit is suitable for winter in Japan, as it includes a jacket and track pants, which are appropriate for colder weather. The fabric weight appears to be heavier, and layering is evident with the jacket over the t-shirt. Accessories like the bag are practical for carrying essentials. However, the choice of sneakers might be considered a bit unconventional for winter due to their design, which could be less warm than other options." C_5: "The subject is positioned centrally in the frame, creating a balanced composition that draws attention to their outfit. The lighting is even, with no harsh shadows, which enhances the visibility of the clothing details and textures. This balanced lighting and centered placement contribute positively to the overall presentation of the outfit."	**Ground Truth:** 6.229 **DEVL:** 6.597 **FFGLC-DEVL:** 6.336

Table 52. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2023/2/19 **Itemtags Count:** 3 **Post Count:** 46 **Followeing Count:** 229 **Follower Count:** 241	C_1: "The fashion image shows a person standing in front of a closed garage door. The individual is wearing a light green button-up shirt, high-waisted blue jeans, and black boots. They have short hair and are wearing a face mask. The person appears to be posing for the photo with one leg slightly lifted, giving a sense of movement or style." C_2: "The outfit consists of a light green, long-sleeved shirt made from a cotton-like material and loose-fitting navy blue jeans. The person is wearing black leather boots that add a structured element to the otherwise relaxed silhouette. The asymmetry in the length of the pants, with one leg rolled up, introduces an unconventional style element. The overall look combines casual comfort with a touch of edgy sophistication." C_3: "The outfit features a combination of muted and dark colors. The primary color dominating the ensemble is green from the shirt, which is complemented by navy blue jeans. Black boots serve as an accent color, adding contrast to the outfit. There are three distinct colors visible: green, navy blue, and black. The green provides a fresh and natural feel, while the navy blue adds depth and sophistication. The black boots create a grounding effect, balancing the lighter colors. Together, these colors create a cohesive and stylish look that is both modern and classic." C_4: "The outfit is suitable for spring in Japan, as it includes a light green shirt and denim pants, which are appropriate for mild weather. The black mask suggests a concern for air quality or pollution, common in urban areas during this season. The black boots are practical for the transition from winter to spring footwear. The ensemble aligns with seasonal norms, offering layers for varying temperatures and protection against potential allergens or pollutants." C_5: "The subject is positioned slightly off-center to the right, creating a dynamic composition that draws attention to their outfit. The lighting is even with no harsh shadows, ensuring clear visibility of the clothing details. This balanced lighting and centered subject placement enhance the outfit's presentation by making it the focal point without any distractions."	**Ground Truth:** 9.585 **DEVL:** 9.095 **FFGLC-DEVL:** 9.420

Table 53. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2023/4/18 **Itemtags Count:** 3 **Post Count:** 11 **Followeing Count:** 2 **Follower Count:** 1	C_1: "The fashion image shows a person taking a mirror selfie. The individual is wearing a green military-style jacket, blue jeans, and black socks. They are holding a smartphone in their right hand and appear to be standing in a room with various items in the background, such as books, a map, and a whiteboard." C_2: "The outfit consists of a green military-style jacket made from a canvas-like material, paired with blue denim jeans. The silhouette is loose and relaxed, with the jacket's oversized fit creating an asymmetrical balance between the upper and lower body. The black socks add a casual touch to the ensemble. The combination of these elements gives the outfit a laid-back, utilitarian style." C_3: "The primary colors in the outfit are green from the jacket and blue from the jeans. The black shirt, socks, and phone case serve as accent colors, adding contrast to the ensemble. There are four distinct colors visible: green, blue, black, and white. The green and blue create a natural and earthy aesthetic, while the black and white add a modern touch. The combination of these colors creates a balanced and visually appealing outfit." C_4: "The outfit is suitable for spring in Japan, as it includes a lightweight olive green jacket and denim jeans, which are appropriate for mild temperatures. The black t-shirt and socks add to the casual and comfortable style. However, the choice of black accessories like the phone case and watch might be considered a bit dark for spring, as brighter colors are often preferred during this season. Overall, the outfit aligns well with the seasonal norms for spring in Japan." C_5: "The subject is centered in the frame, creating a balanced composition that draws attention to their outfit. The lighting is even, with no harsh shadows, which enhances visibility and allows for clear observation of the clothing details. This setup effectively showcases the outfit without detracting from its presentation."	**Ground Truth:** 7.484 **DEVL:** 7.949 **FFGLC-DEVL:** 8.102

Table 54. WEAR-PD examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, the number of items tagged in the post, the user's total post count, the number of users followed, and the number of followers. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2022/12/30 **Itemtags Count:** 6 **Post Count:** 510 **Followeing Count:** 23 **Follower Count:** 169	C_1: "The fashion image shows a person wearing a gray blazer, blue jeans, and a purple scarf. They are standing in front of a concrete wall with a window featuring vertical blinds. The person is holding a smartphone to take a selfie." C_2: "The outfit features a combination of materials, including wool for the scarf and leather for the belt. The silhouette is balanced with structured upper body elements like the blazer and loose lower body elements such as the jeans. The asymmetry is highlighted by the scarf's length extending past the waistline, creating an interesting visual dynamic. The overall style is modern and chic, with a touch of casualness from the relaxed fit of the jeans." C_3: "The outfit features a combination of neutral and accent colors. The primary colors dominating the ensemble are shades of gray, blue, and black. An accent color, purple, is used in the scarf to add a pop of color and draw attention to the upper body. There are four distinct colors visible: gray, blue, black, and purple. The gray blazer and blue jeans provide a classic, monochromatic base, while the purple scarf introduces a bold contrast that adds visual interest and breaks up the monotony. This strategic use of color creates a balanced yet stylish look." C_4: "The outfit is suitable for winter in Japan, featuring a heavy gray blazer, blue jeans, and a purple scarf. The ensemble includes layering elements like the blazer and scarf, which are appropriate for colder weather. However, the choice of blue jeans instead of heavier winter pants might be considered a slight discrepancy from traditional Japanese winter fashion norms, which often favor thicker materials and darker colors." C_5: "The subject is positioned off-center, creating a dynamic composition that draws the eye to their attire. The lighting is soft and even, highlighting the outfit's details without harsh shadows, which enhances the visibility of the clothing textures and colors. This balanced lighting and strategic subject placement contribute positively to the overall presentation of the outfit."	**Ground Truth:** 8.358 **DEVL:** 8.308 **FFGLC-DEVL:** 8.272

Table 55. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/10/24 **Subcategory:** Makeup **Concept:** lash **Alltags:** out workshop poppy cinematic lash 2015 buttry	C_1: "The image shows two dolls wearing matching green and gold dresses with white belts, standing side by side against a plain background." C_2: "The image features two dolls dressed in elegant, light green dresses with gold accents. The dresses have a structured silhouette with a fitted bodice and flared skirt, creating a balanced look. The material appears to be a shiny fabric, possibly satin or silk, which adds a luxurious feel. The dolls' hair is styled in voluminous, wavy updos, complementing the dress's sophistication. The overall style of the outfit is classic and refined, with a harmonious blend of colors and textures." C_3: "The primary color dominating the outfit is a light teal, which is used for the dress. An accent color, white, is used for the belt and the doll's hair accessories. There are three distinct colors visible: teal, white, and the doll's skin tone. The teal provides a cool, refreshing look, while the white adds contrast and highlights specific areas of the dress. The combination creates a visually appealing and cohesive aesthetic." C_4: "The outfit is a light, sleeveless dress with a floral pattern, suitable for spring or summer. The fabric appears to be thin and airy, appropriate for warmer weather. Accessories are minimal, with only a white belt and wristbands. The overall look is elegant and feminine, aligning with the seasonal norms of light, breezy clothing during these seasons." C_5: "The image features two identical dolls with striking green eyes and pink lipstick, positioned side by side against a neutral background. The dolls are centered in the frame, creating a balanced composition that draws attention to their outfits. The lighting is even, with no harsh shadows, ensuring clear visibility of the details on the dolls' dresses and hair. This lighting enhances the presentation of the dolls, making their features and attire stand out effectively."	**Ground Truth:** 10.240 **DEVL:** 9.634 **FFGLC-DEVL:** 10.104

Table 56. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/7/8 **Subcategory:** Piercings **Concept:** navel **Alltags:** ocean sea boats harbor sailing ships submarine yachts motorboats navel ports shipwrecks sailingships subs rowboats seafaring crisscraft oceanliners	C_1: "The image shows a large, old-fashioned sailing ship with multiple masts and sails, navigating through rough, greenish-blue ocean waves under a dramatic sky with a bright sun peeking through clouds." C_2: "The image depicts a historical sailing ship with multiple masts and sails, set against a dramatic sky. The ship's silhouette is defined by its tall, slender masts and the expansive sails billowing in the wind. The hull of the ship appears to be made of wood, a common material for ships during that era. The balance between the upper and lower body of the ship is achieved through the symmetry of the masts and the even distribution of sails. The unique features of the ship's style include its classic design, reminiscent of vessels from the Age of Sail, and the intricate rigging system that connects the masts and sails." C_3: "The image depicts a ship on the ocean, not a fashion-related scene. Therefore, there are no colors to analyze in terms of fashion." C_4: "The outfit is a summer ensemble, featuring light fabrics and sleeveless tops. The presence of shorts and a t-shirt aligns with the warm weather expected in July. Accessories like sunglasses and a hat provide additional protection from the sun. The outfit's seasonal relevance is appropriate for a summer day, with no apparent discrepancies between the clothing and expected norms for the season." C_5: "The image depicts a ship on turbulent ocean waves under a dramatic sky with a sun peeking through clouds. The ship is centered in the composition, creating a balanced focal point. The lighting is moody and atmospheric, with shadows cast by the ship's structure adding depth and contrast. This enhances the visual impact of the scene, making it more engaging and dynamic."	**Ground Truth:** 6.150 **DEVL:** 5.592 **FFGLC-DEVL:** 5.762

Table 57. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/9/20 **Subcategory:** Hair **Concept:** straight **Alltags:** street bridge sunset sky orange canada color tower silhouette architecture point outdoors lights evening design high construction support rivets pattern technology crossing suspension artistic outdoor dusk steel famous perspective pass scenic engineering cable landmark scene icon structure symmetry junction diagonal clear architect civil transportation link hanging strong symmetrical bolts strength straight curve pylons endurance tilt vanishing mighty slant connection stay slanted tilted trusses stell feat cablestay structre	C_1: "The image shows a tall, rusted metal structure with a lattice framework against a clear blue sky." C_2: "The image does not depict any fashion items. It shows a tall structure with a metal frame and concrete pillars against a clear blue sky." C_3: "The image does not depict a fashion outfit; it shows a bridge structure with a steel truss and concrete pillars against a blue sky. There are no colors to evaluate in terms of fashion as the image is architectural in nature." C_4: "The outfit is suitable for autumn, featuring a jacket and long sleeves. The fabric weight appears to be appropriate for cooler weather, and layering is evident with the combination of a jacket over a t-shirt. Accessories are minimal, which aligns with the season's focus on comfort and practicality." C_5: "The image features a tall, rusted metal structure against a clear blue sky. The subject is centered in the frame, creating a balanced composition. The lighting is bright with minimal shadows, enhancing visibility and highlighting the texture of the rust on the metal. This composition effectively showcases the structure's details without detracting from its presentation."	**Ground Truth:** 6.990 **DEVL:** 6.434 **FFGLC-DEVL:** 6.752

Table 58. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.
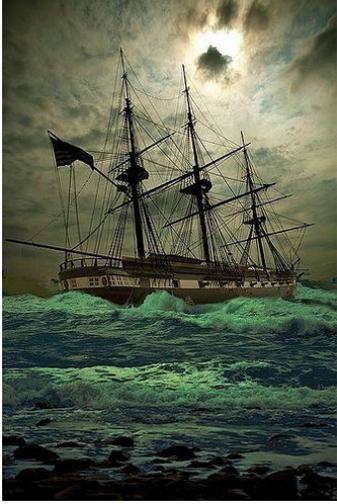
Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/5/26 **Subcategory:** Hair **Concept:** blonde **Alltags:** street woman sunglasses female photography candid shades mature blonde tanktop 9k 9809	C_1: "The fashion image shows a woman wearing a blue tank top, sunglasses, and carrying a shoulder bag. She has her hair tied up in a bun." C_2: "The woman in the image is wearing a blue tank top made of cotton, which fits her upper body snugly. She has paired it with a black leather cross-body bag that complements her outfit. Her hair is styled in a casual bun, and she wears sunglasses for a chic touch. The outfit's silhouette is balanced, with the fitted top and loose bag creating a harmonious look. The combination of materials and the relaxed yet stylish accessories define the outfit's contemporary and effortless style." C_3: "The primary color in the outfit is blue, which is worn on the tank top. An accent color, black, is used for the sunglasses and the strap of the shoulder bag. There are three distinct colors visible: blue, black, and a hint of gold from the earrings. The blue and black create a classic contrast, while the gold adds a touch of elegance. The combination of these colors gives the outfit a stylish and modern look." C_4: "The outfit is suitable for spring, featuring a lightweight blue tank top and sunglasses. The fabric weight of the tank top is light, appropriate for warmer weather, and the sunglasses provide protection from the sun. Layering is minimal, which aligns with the season's transitional nature. The outfit is well-suited for spring, with no apparent discrepancies between the clothing and expected seasonal norms." C_5: "The image features a woman in a blue tank top, with her hair tied up and wearing sunglasses. She is positioned slightly off-center to the right, creating an interesting visual dynamic that draws attention to her profile. The lighting appears natural and even, highlighting the subject without creating harsh shadows or overexposure. This balanced lighting enhances the outfit's presentation by ensuring that the colors and details are clearly visible, contributing to a polished and professional appearance."	**Ground Truth:** 9.300 **DEVL:** 10.258 **FFGLC-DEVL:** 9.775

Table 59. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2016/1/1 **Subcategory:** Makeup **Concept:** lipstick **Alltags:** pierced sexy stockings girl panties hair nude drag suck high breasts pumps breast dress cross little body slut cd bare painted femme platform gap silk makeup mini skirt bum lips blow transgender nails camel curly sissy tranny blonde transvestite upskirt heels bimbo lip stick lipstick sexual trans whore swimsuit job pantyhose crossdresser ts nylon gender gurl tucked tg slave transsexual ladyboy effie nightgown boi shemale feminization mtf felching feminize tgurl	C_1: "The fashion image shows a person wearing a floral dress with a white belt, white heels, and a blonde wig. The individual is posing against a beige curtain backdrop." C_2: "The outfit consists of a floral dress with a fitted bodice and flared skirt, made from a lightweight fabric. The silhouette is balanced with the cinched waistline accentuating the upper body. The dress features a white belt and lace trim, adding contrast to the colorful pattern. Complementing the dress are white high-heeled shoes, which maintain the outfit's elegance." C_3: "The outfit features a vibrant purple dress with a floral pattern, accented by white trim and a belt. The primary color is purple, complemented by the white accents. There are at least three distinct colors: purple, white, and hints of green from the floral pattern. The combination creates a visually appealing contrast that draws attention to the dress's details." C_4: "The outfit is a short-sleeved, knee-length dress with a floral pattern, suitable for spring or summer. The light fabric and sleeve length align with the season's norms. However, the choice of white heels may not be practical for wet or muddy conditions, which could be a seasonal consideration." C_5: "The subject is centered in the image, creating a balanced composition. The lighting is even, with no harsh shadows, which enhances visibility and allows for clear observation of the outfit's details. The placement and lighting contribute positively to the overall presentation of the dress."	**Ground Truth:** 13.580 **DEVL:** 14.271 **FFGLC-DEVL:** 14.232

Table 60. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/12/23 **Subcategory:** Makeup **Concept:** glue **Alltags:** blue orange cloud abstract art fall texture collage illustration graphicart analog plane vintage paper paperart airplane climb weird fly flying artwork arte wind recycled handmade antique abstractart contemporary modernart surrealism flag aviation glue air fineart surreal retro montage collageart photomontage cutpaper surrealist descend aged analogue airspace aviator pilot soar aero biplane cutpaste cutandpaste glide jamesshort surrealart stuntplane updraft yellowed cardstock handdone graphicartist handcut vintageart aviate downdraft collageartist colaj bupbup tumblrart argyleplaids artistsontumblr artistontumblr jimmybupbup tumblrartist	C_1: "The image shows a piece of clothing with a unique design, featuring a combination of colors and patterns. The garment has a blend of blue, orange, and white hues, with a distinct shape that resembles a cloud or abstract form. Additionally, there is a small blue object attached to the clothing, which could be a decorative element or a functional accessory." C_2: "The image depicts a collage with various elements, including a blue airplane model, a torn piece of paper, and an orange and blue abstract shape. The materials appear to be paper and possibly plastic for the airplane model. The silhouette is irregular due to the collage nature, with the airplane adding a unique asymmetry. The balance between the upper and lower body is not applicable as this is a flat artwork rather than clothing." C_3: "The image features a combination of primary and accent colors. The dominant colors are blue, orange, and white. The blue is used as an accent color on the airplane model, while the orange serves as a bold primary color in the abstract shapes. The white background provides contrast and highlights the other colors. Together, these colors create a visually appealing and dynamic composition that draws attention to the airplane model." C_4: "The outfit is a winter ensemble, featuring a heavy jacket and turtleneck, which aligns with the cold weather of December. The choice of dark colors and thick fabrics suggests a need for warmth, while the accessories like gloves and a hat further emphasize the winter season." C_5: "The image composition features a blue airplane model placed off-center on a beige background, creating an asymmetrical balance. The lighting is even with no harsh shadows, ensuring the airplane's details are visible without detracting from the overall presentation."	**Ground Truth:** 9.790 **DEVL:** 9.677 **FFGLC-DEVL:** 9.915

Table 61. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/9/27 **Subcategory:** Makeup **Concept:** tar **Alltags:** 2002 tower abandoned industry nature four ruins industrial factory tour decay steel battery gaz coke gas ruine forbidden tip forgotten urbanexploration pollution sa powerplant coal furnace 1906 industrie tar batterie coolingtower centrale gasometer urbex abandonn distillation byproducts acier charbon administrative bureaux houille cokingplant goudron combustible sidrurgie dsaffect dlabrement explorationurbaine cyanure cokerie anderlues tourderefroidissement refroidissement gazomtre dcantation cokeriesdanderlues urbexvision	C_1: "The image shows a close-up view of a wet, muddy surface with a small puddle reflecting light. The surrounding area is dark and the ground appears to be uneven with small rocks and debris scattered around." C_2: "The image depicts a close-up view of a wet surface, possibly a puddle or a damp area. The material appears to be a combination of water and dirt, with the water reflecting light in a way that gives it a purple hue. The silhouette is irregular and organic, with no clear distinction between upper and lower body as it's a flat surface. There is an asymmetry in the reflection, with some areas brighter than others, indicating varying thicknesses of the water layer. The unique feature is the unexpected purple coloration, which adds a surreal quality to the otherwise mundane scene." C_3: "The image features a dark, moody scene with a dominant purple hue reflecting off the wet ground. This color is accentuated by the surrounding darkness, creating a striking contrast that draws attention to the reflective surface. The primary color in this image is black, which serves as the base for the overall aesthetic. The accent color of purple adds depth and intrigue, enhancing the visual appeal by providing a focal point amidst the darkness. The combination of these colors creates a mysterious and atmospheric ambiance." C_4: "The outfit is a combination of a jacket and t-shirt, suggesting a transitional season like spring or autumn. The jacket appears to be lightweight, suitable for mild weather, while the t-shirt provides additional layering for cooler temperatures. Accessories are minimal, with no visible heavy winter gear, indicating that the outfit is designed for moderate temperatures rather than extreme cold or heat." C_5: "The image features a close-up of a wet surface with a purple hue, likely due to lighting or reflective material. The subject is centered, creating a balanced composition that draws attention to the texture and color variations on the surface. Lighting appears to be artificial, casting shadows and highlights that enhance the visual interest by adding depth and dimensionality. This lighting quality effectively showcases the details of the surface, making it visually appealing without detracting from the overall presentation."	**Ground Truth:** 7.430 **DEVL:** 7.986 **FFGLC-DEVL:** 8.135

Table 62. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/7/30 **Subcategory:** Hair **Concept:** hairfashion **Alltags:** hairstylist hairfashion pentaxhairstyle dv8salons	C_1: "The fashion image shows a woman with short hair, featuring purple highlights. She is wearing a blue top and has a subtle makeup look with red lipstick. The background is plain white, which accentuates her features and the color of her hair." C_2: "The image features a person with short, dark hair that has purple highlights. They are wearing a blue garment with a patterned design. The material of the garment appears to be lightweight and possibly cotton or a cotton blend. The silhouette is loose-fitting, providing a relaxed look. The balance between the upper and lower body is harmonious, with the pattern on the garment drawing attention to both areas. The unique feature of the outfit's style is the combination of the bold hair color and the patterned fabric, creating a modern and edgy aesthetic." C_3: "The outfit features a blend of primary and accent colors. The dominant color is blue, seen in the tank top with its vibrant hue. An accent color, purple, is used on the hair, adding a pop of contrast to the overall look. There are three distinct colors: blue, purple, and a hint of red from the lips. The combination creates a visually appealing contrast that draws attention to the outfit's modern and stylish aesthetic." C_4: "The outfit is suitable for summer, featuring a sleeveless top with a light fabric and vibrant colors. The short hairstyle complements the warm weather." C_5: "The subject is positioned slightly off-center, creating visual interest and balance. The lighting is soft with subtle shadows, enhancing the features of the outfit without detracting from it."	**Ground Truth:** 6.920 **DEVL:** 7.524 **FFGLC-DEVL:** 7.663

Table 63. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/3/23 **Subcategory:** Guys,Fashion **Concept:** swagger **Alltags:** yorkie yorkshireterrier marylynne swagger puppymill nationalmilldogrescue nmdr	C_1: "The image shows a small dog with large, pointed ears and a tongue sticking out. The dog has a light brown coat with darker brown markings around its eyes and ears. Its fur appears to be slightly unkempt, giving it a playful and endearing appearance." C_2: "The image does not contain any fashion items; it is a photo of a dog." C_3: "The image features a small dog with a light brown coat and darker brown ears. The dog's tongue is pink, adding a pop of color to the image. There are three distinct colors visible: light brown, dark brown, and pink. The light brown dominates the outfit, while the dark brown provides contrast in the ears. The pink tongue adds a playful touch. These colors work together to create a warm and inviting aesthetic." C_4: "The outfit is a light jacket, which suggests spring or early fall. The fabric appears to be of medium weight, suitable for mild temperatures. Accessories are minimal, with no heavy layers or winter gear visible. This aligns with the seasonal norms for these times of year, where layering is common but not excessive." C_5: "The image features a small dog with large, pointed ears and expressive eyes. The subject is centered in the frame, drawing attention to its face. The lighting is soft and even, highlighting the dog's fur texture without creating harsh shadows. This composition effectively showcases the dog's features, making it an engaging and balanced visual."	**Ground Truth:** 8.520 **DEVL:** 7.928 **FFGLC-DEVL:** 7.898

Table 64. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2016/2/6 **Subcategory:** Jewelry **Concept:** gem **Alltags:** body mini soom hybrid lise gem marl dollzone hybridation borol b45012	C_1: "The image shows a doll with white hair and blue eyeshadow, wearing a black and white dress, sitting in a wooden box surrounded by pebbles." C_2: "The doll's outfit features a white lace blouse with long sleeves, a black skirt with lace detailing, and a black headband with red accents. The materials used include cotton for the blouse and possibly synthetic fibers for the skirt. The silhouette is loose, with a balance between the upper and lower body. The asymmetry is highlighted by the contrasting colors and textures of the blouse and skirt, as well as the unique headband." C_3: "The doll's outfit features a combination of white, black, and red colors. The primary color dominating the outfit is white, seen in the blouse and lace details. Black is used as an accent color for the skirt and headband, adding contrast and depth to the ensemble. Red is present in the floral pattern on the skirt, providing a pop of color that complements the overall aesthetic. The use of these colors creates a visually appealing and cohesive look." C_4: "The outfit is suitable for spring, featuring a light fabric and layering appropriate for mild temperatures. The lace dress and sheer blouse are indicative of spring's lighter clothing trends, while the headband adds a touch of whimsy. The overall ensemble aligns with spring fashion norms." C_5: "The doll is positioned off-center in the image, creating an interesting visual dynamic. The lighting is soft and natural, casting gentle shadows that add depth to the scene without detracting from the outfit's presentation. The composition effectively highlights the doll's intricate details and attire, making it visually appealing."	**Ground Truth:** 7.330 **DEVL:** 7.252 **FFGLC-DEVL:** 7.600

Table 65. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/10/5 **Subcategory:** Guys,Fashion **Concept:** swagger **Alltags:** boy man cute guy me boys fashion shirt hair cool model shoes pants handsome style tshirt fresh sneakers jeans jacket styles dope swag polo stylish swagger photooftheday swagg instagood	C_1: "The fashion image shows a man wearing a red and black plaid shirt, sitting with his hands clasped together in front of him. The background is dark, with some lights visible in the distance." C_2: "The man in the image is wearing a red and black plaid shirt. The material appears to be cotton, providing a casual and comfortable feel. The silhouette of the shirt is loose, fitting well with his upper body but not adhering too closely to his form. The balance between the upper and lower body is harmonious, as the shirt's length falls just above the waist, creating a relaxed yet put-together look. The shirt's pattern adds a touch of visual interest without overwhelming the overall outfit." C_3: "The primary colors dominating the outfit are red and blue, with the red plaid shirt being the main feature. The blue lighting accentuates the shirt's color, creating a striking contrast. There are two distinct colors visible: red and blue. The combination of these colors creates a bold and visually appealing aesthetic, drawing attention to the outfit's overall design." C_4: "The outfit is a red and black plaid shirt, which is suitable for autumn. The fabric weight appears to be medium, appropriate for layering during cooler weather. The person's hands are clasped together, suggesting a need for warmth. The outfit aligns with autumnal fashion norms, featuring a classic pattern and a comfortable, warm material." C_5: "The subject is centered in the image, creating a balanced composition. The lighting is dramatic, with blue and red hues casting shadows on the person's face and body, enhancing the outfit's presentation by adding depth and contrast."	**Ground Truth:** 7.080 **DEVL:** 6.553 **FFGLC-DEVL:** 7.065

Table 66. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2016/2/10 **Subcategory:** Jewelry **Concept:** crystals **Alltags:** nature beauty glitter found necklace rocks crystals raw shot natural random handmade stones ooak objects jewelry sparkle rings earthy bracelets earrings foundobjects boho product bohemian crafting productshot steampunk crafted pretties shamelessplug whatiwore semipreciousstones healingcrystals	C_1: "The image shows a delicate necklace with a pendant that resembles a miniature teacup and saucer. The pendant is crafted with attention to detail, featuring a small cup filled with a dark liquid, possibly representing tea or coffee, and a spoon resting on the saucer. The necklace chain appears to be made of gold, adding an elegant touch to the overall design. This piece of jewelry would likely appeal to those who appreciate whimsical and unique accessories, possibly with an interest in tea culture or vintage-inspired items." C_2: "The image features a delicate gold necklace with a pendant that resembles a miniature teacup and saucer. The pendant is crafted from what appears to be silver, with the cup filled with a dark liquid, possibly tea or coffee. The chain of the necklace has a thin, elegant design, complementing the intricate detail of the teacup. The pendant's placement on the chain creates an asymmetrical balance, drawing attention to the unique charm of the piece. This accessory exudes a sense of sophistication and whimsy, making it a standout item in any outfit." C_3: "The image features a necklace with a pendant shaped like a miniature teacup and saucer. The primary colors are gold for the chain and silver for the teacup and saucer, with a dark blue liquid inside the cup. There is one accent color, silver, used for the spoon on the saucer. The total number of distinct colors visible is three. The gold and silver create a classic, elegant contrast, while the dark blue adds depth and interest to the design. This combination contributes to an overall sophisticated and visually appealing aesthetic." C_4: "The necklace with a miniature teacup pendant and spoon on a saucer suggests a winter accessory, as the color scheme is neutral and the item is typically associated with colder weather. The gold chain adds warmth to the piece. However, the choice of a necklace for winter might be considered unconventional, as necklaces are not typically worn during this season due to layering and clothing styles." C_5: "The image features a necklace with a pendant shaped like a miniature teacup and saucer. The pendant is centrally placed, drawing the viewer's attention to its intricate design. The lighting is soft and even, casting minimal shadows and allowing for clear visibility of the pendant's details. This balanced composition and lighting enhance the presentation of the necklace, making it appear delicate and elegant."	**Ground Truth:** 4.700 **DEVL:** 4.646 **FFGLC-DEVL:** 4.459

Table 67. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2016/2/26 **Subcategory:** Nails **Concept:** unhas **Alltags:** verde green animal print nails nailpolish unhas esmalte naillacquer	C_1: "The image shows a hand holding a bottle of nail polish and displaying nails painted with the same polish. The nail polish has a green color with a shimmering, glittery texture." C_2: "The image shows a hand holding a bottle of nail polish and displaying nails painted with the same polish. The nail polish is a glittery green color, and the nails are shaped in a rounded silhouette. The polish appears to be applied evenly across all nails, creating a harmonious look. There is no visible asymmetry or unique features that stand out in the image." C_3: "The image features a hand holding a bottle of green nail polish with a metallic finish. The nails are painted in a zebra-striped pattern, predominantly in shades of green and black. There is one accent nail on the ring finger that stands out with a solid green color. The total number of distinct colors visible is two: green and black. The green polish dominates the outfit, while the black stripes add contrast and visual interest. The solid green accent nail draws attention and adds variety to the design. The metallic finish of the polish gives a luxurious touch to the overall aesthetic." C_4: "The outfit is a green zebra-striped nail polish, which is a seasonal norm for spring and summer. The color green is associated with these seasons, and the zebra stripe pattern adds a trendy and bold touch to the look. The nail polish is a fashion item that can be easily changed to match different seasons or moods, making it a versatile accessory." C_5: "The image features a hand holding a nail polish bottle, with the nails painted in a matching green glittery design. The subject is centered, creating a balanced composition that draws attention to the nail art and polish. The lighting is bright, casting minimal shadows and ensuring high visibility of the details on the nails and the bottle's label. This enhances the presentation by making the colors and textures stand out, emphasizing the quality and style of the nail polish."	**Ground Truth:** 9.520 **DEVL:** 9.611 **FFGLC-DEVL:** 9.839

Table 68. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/12/15 **Subcategory:** Nails **Concept:** opi **Alltags:** macro art mannequin rose rouge is lumire femme main nail bordeaux magenta violet fuchsia polish oktoberfest every nails beaut passion nailpolish mode sang mains month fille reflets maquillage couleur doigts opi marque rubis ongles brillant vernis vernisongles naillacquer lgant npa mark5 sensualit meraude feminit modle ln3 holographique everymonthisoktoberfest	C_1: "The image shows a close-up of a person's hand holding a bottle of nail polish. The nails are painted with the same color as the polish in the bottle, which is a dark purple shade. The person's hand appears to be resting on a surface with a similar color tone, creating a cohesive visual theme." C_2: "The image features a close-up of a hand holding a bottle of nail polish. The nails are painted in a glossy, dark purple color, and the bottle appears to be made of glass with a black cap. There is no visible clothing or other fashion items in the image, so there is no analysis of materials, silhouette, or balance between upper and lower body. The unique feature that defines the outfit's style in this context is the choice of dark purple nail polish, which suggests a bold and sophisticated aesthetic." C_3: "The image features a hand with dark purple nail polish, which is the primary color dominating the scene. The accent color used here is also dark purple, as it matches the nail polish and is present on the bottle being held. There are two distinct colors visible: dark purple and black (from the bottle cap). The dark purple creates a cohesive and monochromatic look, while the black adds contrast and depth to the overall aesthetic." C_4: "The image shows a hand holding a bottle of dark purple nail polish, with the nails painted in the same color. The color is versatile and can be worn in various seasons, but it's particularly fitting for the winter season due to its deep, rich hue that complements the cold weather. The nail polish itself does not provide any specific seasonal cues regarding fabric weight or layering, as it is a cosmetic item rather than a clothing accessory. However, the color choice could be seen as aligning with winter fashion trends, which often favor darker and more muted tones." C_5: "The image features a hand holding a bottle of nail polish, with the nails painted in a matching color. The subject is centered, creating a balanced composition that draws attention to the nail polish and its color. The lighting is soft and even, highlighting the shine and texture of the polish without creating harsh shadows or overexposure. This enhances the visibility of the product and its application, making it an effective advertisement for the nail polish brand."	**Ground Truth:** 7.130 **DEVL:** 7.172 **FFGLC-DEVL:** 7.292

Table 69. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/8/19 **Subcategory:** Tattoos **Concept:** tatts **Alltags:** portrait hot sexy beautiful beauty tattoo lady costume model gorgeous kitty hottie burlesque collared classy tatts sfw kittenplay	C_1: "The fashion image shows a person wearing a white, long-sleeved dress with cut-out patterns and black high-heeled shoes. They are also wearing cat ears headwear and have red lipstick on their lips. The individual is posing in a relaxed manner, sitting on a white surface against a plain background." C_2: "The outfit features a white, long-sleeved, mesh-textured dress with a fitted silhouette that accentuates the upper body. The dress has a high neckline and appears to be form-fitting, creating a contrast with the voluminous black high-heeled shoes. The person is wearing cat ears headbands, adding a playful and unique element to the overall look. The combination of the dress's texture, the shoes' color, and the whimsical headband creates an interesting balance between elegance and fun." C_3: "The outfit features a white mesh dress as the primary color, which is complemented by black high heels and a red bow tie. The red bow tie adds a pop of accent color to the otherwise monochromatic ensemble. There are three distinct colors visible: white, black, and red. The contrast between the white dress and black heels creates a striking visual effect, while the red bow tie ties the look together, adding a touch of elegance and sophistication." C_4: "The outfit is a white, long-sleeved, mesh dress paired with black high heels and cat ears. The dress's lightweight fabric and sleeve design suggest it is suitable for warmer weather, while the cat ears add a playful touch. The choice of black high heels indicates a preference for bold fashion statements. This ensemble aligns well with summer or spring fashion norms, which often favor lighter fabrics and unique accessories." C_5: "The subject is positioned off-center, creating an asymmetrical composition that draws the eye and adds visual interest. The lighting is soft and even, highlighting the outfit's details without creating harsh shadows or overexposure. This balanced lighting enhances the visibility of the outfit's textures and patterns, making it the focal point of the image."	**Ground Truth:** 7.640 **DEVL:** 8.651 **FFGLC-DEVL:** 8.347

Table 70. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/9/20 **Subcategory:** Makeup **Concept:** cosmetic **Alltags:** girls friends cute history beautiful beauty fashion japan sisters japanese restaurant belt amazing model kyoto colorful doll pretty pattern dress friendship princess expression sandals makeup dramatic historic gift geisha wig actress takeout present delivery expressive kimono obi messenger guide lipstick lunchbox elegant custom cosmetics eyeshadow traditionalcostume graceful mime japaneseculture carry hairpin apprentice deliver geta cosmetic culturalheritage fashionable floraldesign skindeep smiled kyotoprefecture ancientcapital japanesespirit fashionconscious	C_1: "The image shows two women dressed in traditional Japanese attire, likely geisha or maiko, walking on a street. They are wearing elaborate kimonos with intricate patterns and carrying small boxes, possibly containing their belongings or tools for their performance. The setting appears to be a modern urban area, contrasting with the traditional clothing of the women." C_2: "The image features two individuals wearing traditional Japanese kimonos. The kimonos are made of silk, characterized by their smooth texture and sheen. They have a loose silhouette, which is typical for kimonos, allowing for ease of movement. The balance between the upper and lower body is harmonious, with the wide sleeves and flowing fabric complementing the fitted waist and flared skirt. Unique features include the vibrant floral patterns and the use of bright colors, such as red and blue, which add to the overall elegance and cultural significance of the attire." C_3: "The primary colors dominating the outfits of the geisha are red, blue, and white. Accent colors include shades of pink, green, and yellow. There are at least eight distinct colors visible in their attire. The combination of these colors creates a visually striking contrast that enhances the traditional aesthetic of their kimonos. The reds and blues provide a bold statement, while the whites offer a clean, crisp look. The accent colors add depth and interest to the overall design, making the outfits stand out." C_4: "The outfit is a kimono, which is typically worn in spring and autumn. The floral pattern and light fabric weight suggest that it is suitable for warmer weather. However, the presence of red sandals may indicate a preference for comfort over traditional footwear, which could be less appropriate for cooler seasons." C_5: "The image features two geisha walking on a street, with their traditional kimonos and elaborate hairstyles as the focal point. They are positioned slightly off-center, creating visual interest and balance. The lighting is bright, casting clear shadows that enhance the details of their outfits and facial makeup. This lighting choice effectively highlights the intricate patterns and vibrant colors of their kimonos, contributing to an aesthetically pleasing composition."	**Ground Truth:** 5.880 **DEVL:** 6.141 **FFGLC-DEVL:** 5.921

Table 71. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/7/16 **Subcategory:** Makeup **Concept:** crease **Alltags:** summer england test white game english sports sport ball tim nikon day 1st bat july first australia ground cricket 2nd ashes ballgame firstday bowling second pitch whites batting 3000 crease lords 1stday lordscricketground englad the wicket sportsphotography 2015 2ndtest theashes englandvaustralia secondtest englandcricket sportsphotographer sportphotography d3000 australiacricket 55300mm nikond3000 nikon55300mmvr nikon55300mmvrlens timwinchphotography timwinch july2015 theashes2015 nikon55300mmf4556gafsdxvrlens lords1stday lords2ndashestest lords1stdayashes2015 lords2ndashestest2015 lordsfirstday lordssecondashestest	C_1: "The image shows a cricket match in progress, with players on the field and spectators watching from the stands." C_2: "The image depicts a cricket match, and the players are wearing traditional white cricket attire. The materials used are typically cotton or synthetic blends, providing comfort and breathability. The silhouette is generally loose-fitting, allowing for ease of movement during play. The balance between upper and lower body is achieved through the use of well-fitted trousers and shirts that do not restrict motion. Unique features include protective gear such as pads, gloves, and helmets, which are essential for safety in this sport." C_3: "The image features a cricket match with players dressed in white uniforms. The primary color dominating the outfits is white, which is consistent across all players. There are no accent colors visible as the uniforms are monochromatic. The total number of distinct colors is one, which is white. The uniformity in color creates a cohesive and professional appearance for the team." C_4: "The outfit is appropriate for summer, featuring light fabrics and short sleeves. The presence of a jacket suggests layering for cooler evenings or air-conditioned environments. Accessories like sunglasses and hats are suitable for sunny weather." C_5: "The image depicts a cricket match in progress, with players positioned strategically across the field. The central focus is on the bowler and batsman, creating a balanced composition that draws attention to the action at hand. Lighting appears natural, with shadows indicating an outdoor setting, enhancing the visibility of the players and their equipment. The crowd in the background adds context but does not detract from the main subjects, maintaining a clear view of the game. Overall, the image composition effectively highlights the sport's dynamic nature while ensuring the viewer can clearly see the key elements of the scene."	**Ground Truth:** 4.170 **DEVL:** 3.850 **FFGLC-DEVL:** 3.891

Table 72. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2016/2/5 **Subcategory:** Piercings **Concept:** modifications **Alltags:** faces body evolution science plaster clay prototyping mediamatic future casting bodies materials masterclass biodesign modifications bioart agihaines mediamaticbiotoop	C_1: "The image shows a person with their face covered in a white, creamy substance, likely a facial mask or cream. The individual appears to be relaxing or possibly undergoing a skincare treatment." C_2: "The image depicts a person with their face covered in a white, creamy substance, likely a facial mask. The mask appears to be made of a thick, smooth material that clings to the skin. The silhouette is not visible due to the mask covering the entire face. There is no balance between upper and lower body as the focus is solely on the facial area. The unique feature of this outfit is the application of the facial mask, which is an unusual fashion statement." C_3: "The image features a person with a face mask, predominantly white in color. The mask covers the entire face except for the eyes and mouth, which are accentuated by a natural skin tone. There is no accent color used on the mask itself; it relies solely on the contrast between the white of the mask and the skin to create visual appeal. The overall aesthetic is simple yet effective, focusing on the purity and cleanliness suggested by the white color." C_4: "The outfit consists of a white, creamy substance covering the face, which is not a typical fashion item. The substance could be a skincare product or makeup. Given the post date, it is winter in many regions. However, the use of a heavy, creamy substance on the face is more commonly associated with colder weather as a moisturizing treatment rather than a seasonal fashion statement. Therefore, there is no direct correlation between the outfit and expected seasonal norms for winter fashion." C_5: "The image features a person with their face covered in a white, creamy substance, likely a facial mask. The subject is centered in the frame, drawing attention to the facial area and the texture of the mask. Lighting appears even, with no harsh shadows, which enhances visibility and the presentation of the mask's consistency. The simplicity of the composition focuses the viewer's attention on the facial treatment without any distractions."	**Ground Truth:** 6.670 **DEVL:** 6.732 **FFGLC-DEVL:** 6.796

Table 73. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/10/1 **Subcategory:** Tattoos **Concept:** tat **Alltags:** bear tattoo bears gaypride tat baer baeren 2015 gayprideatlanta	C_1: "The image shows two shirtless men with tattoos, one wearing a sailor hat and red shorts, the other with gray shorts. They are standing on a sidewalk near a crowd of people, with buildings in the background." C_2: "The image features two shirtless men with tattoos, one wearing red shorts and a white sailor hat, the other in blue shorts. Both wear black shoes. The men's attire is casual and relaxed, with no distinct silhouette. The balance between their upper and lower bodies is harmonious, as both have tattoos on their arms and legs. The sailor hat adds a unique nautical touch to the outfit." C_3: "The image features a variety of colors, with the two shirtless men wearing shorts as the primary focus. The man on the left sports blue shorts with white stripes and black shoes, while the man on the right wears red shorts and black shoes. Accent colors include the white sailor hat on the right man and the tattoos on both men's arms and legs. There are at least six distinct colors visible in the image: blue, red, white, black, green, and yellow. The combination of these colors creates a vibrant and eye-catching aesthetic, with the contrasting colors of the shorts and shoes drawing attention to the men's lower halves." C_4: "The outfit is suitable for autumn, featuring lightweight fabrics and layering. The sleeveless t-shirts and shorts are appropriate for mild temperatures, while the beanie provides warmth. The choice of footwear is practical for cooler weather." C_5: "The image features two shirtless men with tattoos standing in a crowd. The subjects are positioned off-center, creating an interesting visual dynamic that draws the eye to them amidst the busy background. Lighting is natural and even, ensuring clear visibility of their tattoos and clothing details. This composition effectively highlights their unique style while maintaining balance within the frame."	**Ground Truth:** 9.020 **DEVL:** 9.045 **FFGLC-DEVL:** 8.966

Table 74. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/6/22 **Subcategory:** Fashion **Concept:** glam **Alltags:** portrait hot cute sexy men love beautiful face look fashion design outfit clothing cool milano models lifestyle style passion glam swag luxury beautifulmen dandy elegance fashionweek menswear mfw malemodels milanfashionweek streetstyle ootd igers modelsoffduty fotografimilano tonheukels chillaxingroad fotografibookmilano	C_1: "The image shows a person taking a selfie with a smartphone while another person is kissing their cheek. The person taking the selfie has long blonde hair and is wearing a denim jacket, while the person kissing has dark hair and is wearing a black top. There are other people in the background, suggesting that this might be a social gathering or event." C_2: "The image features a person wearing a denim jacket, which is a classic and versatile material known for its durability and casual style. The silhouette of the jacket appears to be loose-fitting, providing comfort and a relaxed look. The balance between the upper and lower body is harmonious, with the jacket's relaxed fit complementing the overall casual aesthetic. The denim material adds a touch of ruggedness to the outfit, making it suitable for various informal settings." C_3: "The image features a person wearing a denim jacket, which is primarily blue. The accent color used in this outfit is black, seen on the collar and cuffs of the jacket. There are two distinct colors visible: blue (denim) and black (collar and cuffs). The blue and black combination creates a classic and stylish look, with the blue being the dominant color that adds a casual feel to the outfit, while the black provides a touch of sophistication." C_4: "The outfit is suitable for spring or early summer, as indicated by the light fabric and layering. The denim jacket provides warmth while the t-shirt offers breathability. Accessories like bracelets add a casual touch. The overall ensemble aligns with seasonal norms, offering comfort and style appropriate for mild temperatures." C_5: "The image features a young man and woman in the foreground, with the man taking a selfie. The subjects are positioned off-center, creating an interesting composition that draws attention to their interaction. The lighting is natural and evenly distributed, highlighting the subjects without creating harsh shadows or overexposure. This balanced lighting enhances the visibility of their expressions and the details of their clothing, contributing positively to the overall presentation of the image."	**Ground Truth:** 6.290 **DEVL:** 6.428 **FFGLC-DEVL:** 6.066

Table 75. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/6/25 **Subcategory:** Makeup **Concept:** eyeliner **Alltags:** white clouds eyes curtains eyeliner	C_1: "The fashion image shows a woman wearing a white tank top, with her hair pulled back and makeup on. She is peeking out from under a white fabric, possibly a piece of clothing or a blanket." C_2: "The image features a person wearing a white sleeveless top with a V-neckline. The material appears to be lightweight and possibly cotton or a cotton blend, given its drape and texture. The silhouette is loose-fitting, providing a relaxed and comfortable look. The balance between the upper and lower body is harmonious, as the top's simplicity complements the minimalistic style of the outfit. The person's earrings add a touch of elegance to the overall casual appearance." C_3: "The outfit is predominantly white, with a single accent color of gold from the earrings. The white color dominates the outfit, creating a clean and minimalist aesthetic. The gold earrings add a touch of elegance and sophistication, providing a subtle contrast to the otherwise monochromatic ensemble. The combination of white and gold creates a harmonious and visually appealing look." C_4: "The outfit is a white sleeveless top, which is suitable for warm weather. The light fabric and lack of sleeves suggest it's appropriate for summer or spring. However, the presence of a jacket in the background indicates layering, which could imply that the outfit is versatile for varying temperatures within those seasons." C_5: "The subject is positioned centrally, creating a balanced composition. The lighting is soft and even, highlighting the outfit without harsh shadows. This enhances the visibility of the outfit's details and textures, contributing to an overall pleasing presentation."	**Ground Truth:** 7.500 **DEVL:** 8.604 **FFGLC-DEVL:** 9.033

Table 76. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/11/11 **Subcategory:** Nails **Concept:** opi **Alltags:** macro art mannequin rouge gris sticker noir lumire femme main makeup polish nails beaut passion camelot nailpolish mirrorball fille reflets maquillage couleur orly nailart doigts artisanat sance opi marque ongles brillant vernis pinceau vernisongles naillacquer lgant npa mark5 sensualit cajunshrimp feminit modle ln3 minutie holographique aengland	C_1: "The image shows a close-up of a person's hand with glittery nail polish being applied to the fingernails. The person is using a brush applicator, and the nails are already partially coated with the sparkling polish." C_2: "The image depicts a close-up of hands with glittery nail polish being applied. The nail polish is the focal point, featuring a shiny, sparkling texture that catches the light. The hands are resting on a textured white surface, possibly a paper towel or cloth, which provides a neutral background that contrasts with the vibrant polish. There is no visible clothing or accessories in the frame, so the emphasis remains solely on the nail art." C_3: "The image depicts a close-up of hands with glittery nail polish. The primary color is silver, which is used on the nails to create a sparkling effect. There are no accent colors visible in this particular shot. The total number of distinct colors is one, being the silver glitter polish. The silver color dominates the image and creates a glamorous and eye-catching look." C_4: "The image shows a person applying glittery nail polish, which is a seasonal cue for the fall or winter season. The glittery texture of the nail polish suggests that it is meant to be worn during colder months when people often seek more vibrant and festive accessories. The choice of glittery nail polish aligns with the expected seasonal norms for this time of year." C_5: "The image depicts a close-up of hands with glittery nail polish, placed on a textured white surface. The subject is centered, creating a balanced composition that draws attention to the nails. The lighting is bright and even, highlighting the sparkle of the glitter without casting harsh shadows, which enhances the visibility and overall presentation of the nail art."	**Ground Truth:** 6.780 **DEVL:** 6.730 **FFGLC-DEVL:** 7.002

Table 77. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/7/25 **Subcategory:** Jewelry **Concept:** stones **Alltags:** travel sea italy seascape tourism beach water canon landscape outside evening coast boat seaside twilight italian focus italia waves dof outdoor stones horizon transport shingle engine tint beachlife pebbles rope depthoffield coastal transportation coastline motor cinqueterre ripples seashore gravel touristic gloaming travelphotography monterossoalmare canon1585mm canon70d	C_1: "The image shows a small boat with an outboard motor on a rocky beach, with the ocean in the background." C_2: "The image does not depict any fashion items. It shows a boat on a rocky beach with the ocean in the background during sunset." C_3: "The image depicts a boat on a rocky beach with the ocean in the background. The boat is primarily white, with a hint of blue along its edges. There are no accent colors visible in the boat itself. The ocean displays various shades of blue and green, while the sky has a gradient from light to darker blue. The rocky beach consists of small stones and pebbles in different shades of gray and brown. The overall color palette is quite natural and subdued, creating a serene and tranquil atmosphere." C_4: "The outfit is a white boat with an outboard motor, situated on a rocky beach. The boat's fabric weight appears to be suitable for mild weather, and the presence of the outboard motor suggests preparedness for water activities. The boat's design aligns with summer norms, as it is typically used during warmer months for recreational purposes." C_5: "The image features a small boat on a pebbly beach with the ocean in the background. The boat is positioned off-center, creating an interesting visual balance. The lighting appears to be natural and soft, likely from either sunrise or sunset, casting gentle shadows and highlighting the textures of the boat and the pebbles. This lighting enhances the overall composition by adding depth and dimension to the scene."	**Ground Truth:** 11.180 **DEVL:** 9.701 **FFGLC-DEVL:** 9.494

Table 78. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/12/6 **Subcategory:** Makeup **Concept:** tar **Alltags:** cup germany concert livemusic konzert kneipe tar detmold 2015 livemusik cafcup kazuyotsunehiro mitrabehpoori cafcupdetmold	C_1: "The image shows a woman sitting on a chair, playing a stringed instrument. She is wearing a blue top and black pants, with her long hair down. There is a microphone in front of her, suggesting she might be performing or recording music. The setting appears to be indoors, possibly during a casual or informal event." C_2: "The woman is wearing a light blue, long-sleeved top with a paisley pattern on the chest area. The top has a loose silhouette that balances her dark-colored pants. Her outfit is complemented by black boots and she is seated on a chair. The overall style of her outfit is casual yet elegant, with a touch of bohemian flair due to the paisley pattern." C_3: "The outfit features a blend of colors, with the primary color being blue from the top. The pants are black, providing contrast to the blue top. There is an accent color in the form of a patterned scarf or shawl draped over the shoulders, adding a touch of warmth and texture. The total number of distinct colors visible is three: blue, black, and the various hues of the patterned accessory. The combination creates a balanced and visually appealing look, with the blue and black offering a classic contrast while the patterned accessory adds depth and interest." C_4: "The outfit is suitable for winter, featuring a long-sleeved top and pants, which provide warmth. The fabric appears to be heavier, appropriate for colder weather. Accessories like the scarf and boots also align with winter fashion norms." C_5: "The subject is positioned off-center, creating a dynamic composition that draws the eye to her. The lighting is soft and even, highlighting the details of her outfit without creating harsh shadows. This enhances the presentation of her attire, making it visually appealing and balanced within the frame."	**Ground Truth:** 6.430 **DEVL:** 5.738 **FFGLC-DEVL:** 6.194

Table 79. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/7/17 **Subcategory:** Earrings **Concept:** earring **Alltags:** netherlands golden concert nederland thenetherlands earring tribute bloody tuin buccaneers kasteel helmond concerten kasteeltuinconcerten	C_1: "The fashion image shows a man playing an electric guitar on stage. He is wearing sunglasses, a polka-dot shirt, and has a studded belt. The guitar is yellow with a black pickguard and white pickups. The background is dimly lit with stage lights, creating a smoky atmosphere." C_2: "The man is wearing a black shirt with white polka dots, which has a loose silhouette. He is also wearing sunglasses and a studded belt, adding a unique touch to his outfit. The guitar he is playing is yellow with a sleek design, contrasting with the casual style of his shirt. The combination of these elements creates a harmonious balance between his upper and lower body attire." C_3: "The primary colors in the outfit are black and white, with the black shirt featuring white polka dots. The accent color is a teal blue, used for the text "TOMAS Paulavicius Works" on the image. There are three distinct colors: black, white, and teal. The black and white create a classic contrast, while the teal adds a pop of color, enhancing the visual appeal and contributing to a modern, stylish aesthetic." C_4: "The outfit consists of a short-sleeved, polka-dotted t-shirt and sunglasses, suggesting a summer or warm-weather setting. The light fabric weight and sleeveless design align with typical summer attire. However, the presence of sunglasses could indicate either sunny weather or a fashion statement rather than a necessity for sun protection. Overall, the outfit is appropriate for warm weather, but the sunglasses add an element that may not be strictly necessary for the season." C_5: "The image features a musician playing an electric guitar on stage. The subject is positioned slightly off-center, creating visual interest and balance. Lighting is warm with a spotlight effect, enhancing the performer's presence but casting shadows that obscure some details of the outfit. Overall, the composition effectively highlights the musician while maintaining a dynamic atmosphere."	**Ground Truth:** 3.700 **DEVL:** 3.687 **FFGLC-DEVL:** 3.719

Table 80. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/6/5 **Subcategory:** Earrings **Concept:** earring **Alltags:** butterfly french wooden earring etsy hook fastening	C_1: "The fashion image displays a pair of butterfly-shaped earrings with purple and yellow patterns, set against a pink floral background." C_2: "The earrings in the image are crafted from wood, featuring a butterfly design with vibrant purple and yellow hues. They have silver hooks and are displayed against a pink fabric background adorned with white floral patterns. The earrings exhibit a delicate balance between the upper and lower body, as they are symmetrical and complement the soft, feminine aesthetic of the floral backdrop." C_3: "The earrings feature a combination of purple, pink, yellow, and black colors. The primary color is purple, which dominates the butterfly design. Pink accents are used to highlight specific areas on the wings, while yellow adds a contrasting pop of color. Black outlines define the shape of the butterflies. Together, these colors create a visually appealing and harmonious aesthetic." C_4: "The earrings are butterfly-shaped and made of wood with a vibrant purple, pink, and yellow color scheme. They have silver hooks and are displayed against a pink background with white flower patterns." C_5: "The earrings are centrally placed on a pink background with white floral patterns, creating a balanced composition. The lighting is soft and even, highlighting the earrings' colors without casting harsh shadows, which enhances their visibility and overall presentation."	**Ground Truth:** 5.360 **DEVL:** 5.056 **FFGLC-DEVL:** 4.567

Table 81. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/11/21 **Subcategory:** Makeup **Concept:** lash **Alltags:** color eye beauty radio hair book makeup andalucia bodypaint semi nails massage solarium hairdresser laser shellac artdeco lpg portfolio bodyart hairstyle unisex malaga facial imagen lash belleza fuengirola torremolinos marbella mijas permanent corporal extensions plataforma redken beautician stylist peluqueria frequency permanente maquillaje pestaas uas benalmadena estetica carita masaje estilismo extensiones environ ghd kerastase esthetic nutricion radiofrecuencia mesotherapy endermologie dietetica esteticista fotodepilacion micropigmentation mesoterapia vibratoria micropigmentacion photoepilation	C_1: "The image shows a person's hand with red nail polish, a bottle of the same polish, and a nail file. The person is using the nail file to shape their nails." C_2: "The image depicts a hand with red nail polish, holding a black nail file branded "CND." The nail polish is applied in a glossy finish, and the file has a sleek, rectangular shape. The hand appears to be of average size, and the nails are well-manicured with a smooth surface. The focus is on the nail care products rather than clothing or accessories, so there is no silhouette or balance to discuss. The unique feature here is the vibrant red color of the nail polish, which stands out against the black file and the neutral background." C_3: "The image features a hand with red nail polish, which is the primary color dominating the outfit. The accent color used here is black, seen in the nail file and the bottle cap. There are two distinct colors visible: red and black. The red nail polish stands out against the skin tone, creating a bold statement, while the black accents add contrast and depth to the overall aesthetic." C_4: "The image depicts a hand with red nail polish and a black nail file, suggesting a focus on personal grooming. The choice of red nail polish is versatile and can be worn in various seasons, but it's particularly popular during the fall and winter months when bold colors are often favored. The nail file is a practical accessory for maintaining nails, which aligns with the seasonal emphasis on self-care and preparation for colder weather activities that may require more precise nail care. There are no fashion items visible in the image, so no further analysis of seasonal relevance can be provided." C_5: "The image features a hand with red nail polish, holding a black nail file. The hand is positioned in the center of the frame, drawing attention to the manicured nails and the action of filing. The lighting is bright, casting minimal shadows and ensuring clear visibility of the subject. The composition is balanced, with the nail polish bottle placed off-center, creating visual interest without detracting from the main focus on the hand and nail file."	**Ground Truth:** 8.060 **DEVL:** 8.504 **FFGLC-DEVL:** 8.464

Table 82. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2016/1/13 **Subcategory:** Guys,Fashion **Concept:** dope **Alltags:** camping winter snow canada cold ice cool fuck fresh algonquin dope sick chill tite	C_1: "The fashion image shows a person wearing a black beanie and a teal jacket, standing in a snowy forest with sunlight filtering through the trees." C_2: "The person in the image is wearing a teal-colored puffy jacket with a hood, made of a quilted material that provides insulation. The silhouette of the jacket is loose and voluminous, offering warmth and comfort. The hood adds an element of asymmetry to the outfit, as it contrasts with the straight lines of the jacket. The black beanie worn by the individual complements the jacket, creating a harmonious balance between the upper and lower body. The outfit's style is casual and functional, suitable for cold weather conditions." C_3: "The primary color dominating the outfit is teal, which is worn on the jacket. An accent color, black, is used for the beanie. There are two distinct colors visible in the image: teal and black. The contrast between the bright teal and dark black creates a visually appealing effect, adding depth to the overall aesthetic of the outfit." C_4: "The outfit is suitable for winter, featuring a heavy teal jacket and a black beanie. The choice of a thick jacket and headwear aligns with the cold weather expected in January. Layering is evident, which is typical for winter fashion to provide warmth. The outfit seems well-suited for the season, adhering to winter norms." C_5: "The subject is positioned centrally, creating a balanced composition. The lighting is soft and diffused, with sunlight filtering through the trees, casting gentle shadows and highlighting the texture of the jacket. This enhances the outfit's presentation by adding depth and dimension to the image."	**Ground Truth:** 7.310 **DEVL:** 7.139 **FFGLC-DEVL:** 6.621

Table 83. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/6/18 **Subcategory:** OOTD **Concept:** outfitoftheday **Alltags:** life red sea summer vacation blackandwhite sun white black hot flower art love beach water girl beautiful earings fashion tattoo ink photography vacances necklace model eyes holidays pretty noir underwater estate dream picture makeup pic teenager redlips lipstick et extrieur blanc personnes magnifique picoftheday tatouage tattooed tattooedgirl outfitoftheday waterislife teenagedream twittertuesday beautystorm makeupoftheday inkkedkid	C_1: "The image shows a young girl wearing a floral bikini, standing in the ocean with waves crashing around her. She is smiling and appears to be enjoying herself." C_2: "The young girl is wearing a two-piece swimsuit with a floral pattern. The top piece has thin straps and a racerback silhouette, while the bottom piece appears to be high-waisted with a similar pattern. The material of the swimsuit seems to be a lightweight fabric suitable for water activities. The outfit's style is playful and youthful, with a balanced silhouette that flatters her figure. The floral pattern adds a touch of femininity to the overall look." C_3: "The outfit features a white and black floral pattern, with the primary colors being white and black. The floral pattern serves as an accent color, adding visual interest to the otherwise monochromatic ensemble. There are two distinct colors visible: white and black. The contrast between these colors creates a striking and eye-catching look, while the floral pattern adds a touch of femininity and playfulness to the outfit." C_4: "The outfit is a two-piece swimsuit, which is appropriate for summer. The light fabric and sleeveless design are suitable for warm weather. However, the presence of a bikini top with straps suggests that it might be slightly cooler than usual for summer, as typically, swimwear is designed to provide maximum comfort in hot conditions." C_5: "The image features a young girl in a floral bikini standing on the beach with waves gently lapping at her feet. She is positioned slightly off-center, creating an interesting visual dynamic that draws attention to her and the ocean behind her. The lighting is natural and bright, casting soft shadows and enhancing the textures of the water and the girl's outfit. This composition effectively highlights the outfit's details and the serene beach setting, contributing to a visually appealing image."	**Ground Truth:** 8.260 **DEVL:** 9.328 **FFGLC-DEVL:** 8.579

Table 84. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/3/1 **Subcategory:** Makeup **Concept:** cosmetic **Alltags:** music fashion bike sport photography furniture clothes material minimalistic cosmetic	C_1: "The fashion image displays a woman wearing elegant jewelry, including earrings and a bracelet. The background is minimalistic with a focus on the jewelry, suggesting that the image is likely used for advertising or showcasing the items." C_2: "The image displays a collection of jewelry items, predominantly featuring earrings and bracelets. The materials appear to be high-quality metals, likely gold or silver, with some pieces incorporating gemstones or crystals. The silhouettes are elegant and refined, with a focus on delicate designs that complement the wearer's features. The balance between the upper and lower body is achieved through the use of thin chains and subtle clasps, ensuring that the jewelry does not overpower the outfit. Unique features include intricate detailing and the use of both simple and complex patterns, which define the style as sophisticated and versatile." C_3: "The outfit in the image features a combination of neutral and vibrant colors. The primary color dominating the outfit is white, seen on the blouse and pants. An accent color, gold, is used to enhance specific areas such as the necklace, earrings, and bracelet, adding a luxurious touch. There are at least five distinct colors visible: white, gold, black (on the belt), red (on the lipstick), and a hint of blue (on the watch). The contrast between the white and gold creates a classic and elegant look, while the red and blue add subtle pops of color that draw attention to the accessories. The overall aesthetic is sophisticated and well-coordinated, with each color playing a role in creating a cohesive and visually appealing ensemble." C_4: "The outfit in the image is suitable for spring, as indicated by the light fabric weight and layering. The presence of a jacket suggests a need for warmth, while the t-shirt and accessories like earrings and a bracelet align with spring fashion trends. The outfit's color palette is soft and pastel, which is typical for spring. There are no significant discrepancies between the outfit and expected seasonal norms." C_5: "The image composition features a woman centrally placed, drawing the viewer's attention to her. The lighting is soft and even, highlighting the jewelry without creating harsh shadows that might obscure details. This balanced lighting and central subject placement create a harmonious visual impact, effectively showcasing the jewelry's elegance and the woman's poised demeanor."	**Ground Truth:** 5.130 **DEVL:** 5.513 **FFGLC-DEVL:** 6.916

Table 85. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/8/7 **Subcategory:** Makeup **Concept:** eyeshadow **Alltags:** red portrait woman girl make up fashion self hair eyes focus soft sad cross makeup style jewelry highlights redhead chain glam lipstick process cosmetics eyeshadow liquid highlight bun contour classy neckless funbun	C_1: "The fashion image shows a woman with her hair up, wearing makeup and a statement necklace." C_2: "The image features a person wearing a statement necklace with large, shiny, metallic links that stand out against their light-colored top. The necklace has a bold, chunky design, suggesting a modern and edgy fashion sense. The top appears to be made of a soft fabric, possibly cotton or a cotton blend, given its drape and texture. The silhouette of the outfit is loose, providing a comfortable and relaxed fit. The balance between the upper and lower body is harmonious, with the statement necklace drawing attention to the upper body while the loose top maintains a casual and effortless look." C_3: "The image features a person wearing a statement necklace with a combination of silver and black colors. The primary color dominating the outfit is not visible, but the accent colors of silver and black from the necklace stand out against the person's skin tone. There are at least three distinct colors in the image: silver, black, and the person's natural skin tone. The silver and black colors complement each other, creating a cohesive and stylish look. The contrast between these colors adds depth to the outfit, making it visually appealing." C_4: "The outfit is suitable for late summer or early autumn, as indicated by the light fabric and sleeveless design. The chain necklace adds a touch of elegance, while the makeup enhances the overall look. The choice of a light-colored top aligns with the seasonal norms of wearing lighter clothing during warmer months." C_5: "The image features a woman with her hair up, wearing a statement necklace and makeup. She is positioned slightly off-center, creating visual interest and balance. The lighting is soft and warm, highlighting her features without harsh shadows, which enhances the overall presentation of her outfit."	**Ground Truth:** 9.570 **DEVL:** 9.442 **FFGLC-DEVL:** 10.284

Table 86. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/8/23 **Subcategory:** Nails **Concept:** essie **Alltags:** azul nailpolish essie lils esmalte	C_1: "The image shows a hand holding a bottle of nail polish with the same color as the nails painted on the hand." C_2: "The image shows a hand holding a bottle of nail polish. The nail polish is a solid, pastel blue color. The hand appears to be that of an adult with well-manicured nails, and the skin tone is light. There are no other fashion items visible in the image, so there is no analysis possible for materials, silhouette, or balance between upper and lower body. The unique feature of this image is the color and condition of the nail polish, which suggests a focus on personal grooming and style." C_3: "The image features a hand holding a bottle of nail polish. The primary color dominating the scene is the shade of purple on the nails, which is also the color of the nail polish bottle. There are no accent colors visible in this image as the focus is solely on the purple hue. The total number of distinct colors visible is one, which is the purple shade. The uniformity of the color creates a cohesive and visually appealing aesthetic." C_4: "The image shows a hand holding a bottle of nail polish with a light purple color. The nails are painted in the same shade, indicating a cohesive and well-maintained manicure. The color is versatile and can be worn in various seasons, but it's particularly suitable for spring and summer when lighter shades are popular. The choice of nail polish does not provide explicit seasonal cues, as it is a personal preference rather than a fashion statement tied to a specific season." C_5: "The image features a hand holding a bottle of nail polish, with the nails painted in the same shade. The subject is centered, creating a balanced composition that draws attention to the product. The lighting is bright and even, highlighting the color and texture of the nail polish without casting harsh shadows. This enhances the visibility and presentation of the product, making it the focal point of the image."	**Ground Truth:** 9.740 **DEVL:** 8.843 **FFGLC-DEVL:** 9.260

Table 87. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/9/9 **Subcategory:** Jewelry **Concept:** bling **Alltags:** jewelry hip hop bling streetwear instagram ifttt	C_1: "The image shows a gold-colored pendant necklace with a detailed design of a face, possibly inspired by a Buddha or similar spiritual icon. The pendant is adorned with what appears to be small gemstones or crystals, giving it a sparkling effect. The necklace chain features small, round links that add to the overall elegance of the piece. The background is a textured grey surface, which contrasts with the shiny gold color of the necklace, making the jewelry stand out prominently." C_2: "The image features a gold-colored pendant necklace with a detailed, faceted design resembling a headpiece or crown. The pendant is adorned with numerous small, clear stones that give it a sparkling appearance. The chain of the necklace consists of uniformly sized, round links, contributing to a cohesive and luxurious look. The pendant's silhouette is prominent and eye-catching, drawing attention to its intricate details. The balance between the upper and lower body is not applicable in this context as the image only shows the necklace against a textured grey background. The unique feature of this outfit is the ornate and opulent design of the pendant, which stands out due to its size and embellishments." C_3: "The image features a gold-colored pendant necklace with a head-shaped design, set against a gray textured background. The primary color dominating the image is gold from the pendant, which is complemented by the subtle golden hue of the chain. There are no accent colors visible in this image as the focus is solely on the gold elements. The total number of distinct colors is two: gold and gray. The gold color gives the pendant a luxurious and eye-catching appearance, while the gray background provides a neutral backdrop that allows the gold to stand out prominently." C_4: "The outfit features a gold necklace with a Buddha pendant, which is suitable for warmer weather. The pendant's design and the gold chain suggest a preference for bold, statement pieces that are often associated with summer or spring fashion. The choice of a gold chain and pendant could be considered trendy for the time period, aligning with the seasonal norms of accessorizing with bright, eye-catching items during these seasons." C_5: "The image features a gold-colored pendant necklace with a detailed face design, set against a textured grey background. The pendant is centrally placed, drawing the viewer's attention to its intricate details and craftsmanship. The lighting is bright, casting a clear shadow beneath the pendant, which enhances its three-dimensional appearance and adds depth to the image. This composition effectively highlights the pendant's ornate design	**Ground Truth:** 5.040 **DEVL:** 5.123 **FFGLC-DEVL:** 5.101

Table 88. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/12/5 **Subcategory:** Jewelry **Concept:** jewel **Alltags:** wood winter snow nature leaves foglie forest diamonds silver gold leaf natura diamond fibonacci neve foglia musk jewels inverno muschio jewel oro legno bosco foresta diamante gioielli argento diamanti gioiello soloio	C_1: "The fashion image displays a collection of bracelets with spiral designs, arranged on a textured surface against a snowy mountain backdrop." C_2: "The image features a collection of bracelets with spiral designs, made from what appears to be leather or a similar material. The silhouettes are varied, with some bracelets appearing tight and others loose, creating an asymmetrical balance. The bracelets are displayed on a textured surface that contrasts with the smoothness of the jewelry, highlighting their unique spiral patterns." C_3: "The image features a collection of bracelets with spiral designs, predominantly in shades of gray and black. The primary colors are monochromatic, with subtle variations in tone creating depth and interest. There is no accent color; the simplicity of the color palette focuses attention on the intricate spiral patterns. The total number of distinct colors visible is two. The monochromatic scheme provides a sleek, modern aesthetic, emphasizing the craftsmanship of the bracelets." C_4: "The image features a collection of bracelets with spiral designs, which are typically worn during warmer seasons. However, the post date is in December, suggesting winter. The bracelets' light fabric and casual style do not align with typical winter fashion norms, which often include heavier, insulated clothing. This discrepancy indicates that the bracelets may be intended for layering or as a fashion statement rather than seasonal wear." C_5: "The image features a collection of bracelets arranged on a textured surface, likely a tree stump. The composition is centered with the bracelets slightly offset to the right, creating visual interest and balance. The lighting is soft, casting gentle shadows that enhance the details of the bracelets' spiraled designs. This lighting quality contributes positively to the visibility and aesthetic appeal of the jewelry, making it stand out against the natural background."	**Ground Truth:** 6.440 **DEVL:** 5.733 **FFGLC-DEVL:** 5.721

Table 89. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/7/8 **Subcategory:** Piercings **Concept:** navel **Alltags:** ocean sea boats harbor sailing ships submarine yachts motorboats navel ports shipwrecks sailingships subs rowboats seafaring crisscraft oceanliners	C_1: "The image shows a sailboat with its sails fully unfurled, gliding across the water under a clear blue sky." C_2: "The image depicts a sailboat on the water, not a fashion-related scene. Therefore, there are no fashion items to analyze in this context." C_3: "The image features a sailboat on the water with sails fully unfurled. The primary colors dominating the sailboat are white and beige, which are used for the hull and sails respectively. There is an accent color of brown visible in the rigging and the boat's structure. The total number of distinct colors is three: white, beige, and brown. The white and beige create a harmonious and classic look, while the brown adds depth and contrast to the overall aesthetic." C_4: "The image depicts a sailboat with large, light-colored sails on a clear day. The boat is white and appears to be made of wood or a similar material. There are several people aboard, dressed in casual clothing suitable for sailing. The sails are fully extended, catching the wind as the boat glides across the water. The sky is blue with no visible clouds, suggesting fair weather conditions. The sea is calm with gentle waves, indicating a peaceful sailing experience." C_5: "The image features a sailboat with its sails fully unfurled, positioned centrally against a clear blue sky. The lighting is bright and even, casting minimal shadows on the boat, which enhances visibility and the overall presentation of the sailboat. The composition effectively highlights the boat's design and the expansive sails, creating a balanced and visually appealing scene."	**Ground Truth:** 4.910 **DEVL:** 5.057 **FFGLC-DEVL:** 4.792

Table 90. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/9/14 **Subcategory:** Jewelry **Concept:** bling **Alltags:** celebrity beauty fashion diamonds necklace engagement high jewelry ring jewellery bracelet end bling luxury pendant mouawad mouawadjewelry	C_1: "The image shows a person's hand reaching for a necklace with a green gemstone pendant, surrounded by other necklaces with flower-shaped pendants in different colors." C_2: "The image features a person wearing a bracelet and a necklace with flower-shaped pendants. The bracelet appears to be made of silver or white gold, while the necklace has a green gemstone pendant surrounded by smaller stones. There are three additional flower pendants on the tray, each with different colored stones: blue, red, and clear. The person's hand is resting on the tray, which seems to be lined with a soft material like velvet. The overall style of the jewelry suggests a delicate and elegant aesthetic, with a focus on the floral motif." C_3: "The image features a collection of flower-shaped jewelry pieces, each with distinct colors. The primary colors include green, blue, red, and white. The green piece is the most prominent, worn as a necklace, while the other three are displayed on a tray. The blue and red pieces serve as accent colors, adding vibrancy to the display. There are four distinct colors in total. The green and white pieces complement each other, creating a fresh and elegant look. The blue and red pieces add a pop of color, enhancing the visual appeal of the collection." C_4: "The image shows a person wearing a green flower necklace and bracelet, which are suitable for spring or summer due to their light and vibrant colors. The presence of a silver chain suggests a preference for layered jewelry, which is common in warmer seasons. However, the absence of any heavy or warm clothing items like jackets or sweaters indicates that the outfit is likely appropriate for a mild climate during these seasons. The overall ensemble aligns with typical seasonal norms for spring or summer fashion." C_5: "The image features a hand holding a green gemstone necklace with a flower design, placed over a display tray containing three additional necklaces with similar flower motifs in different colors. The subject is centered, drawing attention to the green necklace, which stands out due to its vibrant color and prominent placement. Lighting is soft and even, highlighting the sparkle of the gemstones without creating harsh shadows, thus enhancing the visibility and allure of the jewelry. This composition effectively showcases the elegance and craftsmanship of the pieces."	**Ground Truth:** 5.490 **DEVL:** 5.489 **FFGLC-DEVL:** 5.336

Table 91. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/5/21 **Subcategory:** Sneakers **Concept:** sneakerhead **Alltags:** pink girls people urban black hot cute fashion silver bag shoe photo athletic cool top indoor sneakers nike wear jeans trendy baskets heels kicks chic dope gym mode swag schuhe justdoit sporty active throwback leggings chaussures comfy streetwear swoosh shox nikes sneakerhead obuwie nikefuel nike4life shox4life	C_1: "The image shows a person wearing black leggings and silver sneakers, holding a pink and black bag." C_2: "The image features a person wearing black leggings and silver sneakers, holding a pink duffel bag with black straps. The leggings appear to be made of stretchy fabric, likely intended for athletic or casual wear. The sneakers have a sleek design with a shiny finish, suggesting they are made from synthetic materials like polyester or nylon. The duffel bag is a soft, flexible material, possibly canvas or nylon, with a simple yet functional design. The outfit's silhouette is balanced, with the snug fit of the leggings complementing the loose-fitting sneakers. The bright pink color of the duffel bag adds a pop of color to the otherwise neutral-toned ensemble." C_3: "The outfit features a combination of black, pink, and silver colors. The primary color is black, seen in the leggings and shoes, which provides a neutral base. Pink serves as an accent color on the bag, adding a pop of brightness to the ensemble. Silver is used for the shoe laces and the bag's handles, creating a subtle metallic contrast that complements the overall aesthetic. The use of these colors creates a balanced and visually appealing look." C_4: "The outfit is suitable for spring, featuring lightweight fabrics and layering options. The pink bag adds a pop of color, while the silver sneakers provide a modern touch. The black leggings offer warmth and flexibility, aligning with the transitional weather of spring." C_5: "The image features a person holding a pink bag, with their lower body and legs prominently displayed. The subject is centered in the frame, creating a balanced composition. Lighting is even, with no harsh shadows, ensuring clear visibility of the outfit's details. The bright pink bag contrasts with the black leggings and silver sneakers, drawing attention to the accessories. This lighting and composition enhance the outfit's presentation by highlighting its colors and textures."	**Ground Truth:** 10.270 **DEVL:** 10.092 **FFGLC-DEVL:** 10.297

Table 92. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/4/18 **Subcategory:** Jewelry **Concept:** stones **Alltags:** ocean blue ireland sunset sea sky irish sun sunlight beach nature water clouds dark coast daylight day waves natural stones tide horizon north columns wave atlantic hills shore northernireland cloudformation giantscauseway darkclouds causeway formations basalt ulster countyantrim antrim northcoast irishsea causewaycoast	C_1: "The image shows two circular depressions in a stone surface, filled with water and surrounded by moss and algae." C_2: "The image depicts a pair of shoes with a combination of materials, including leather and fabric. The silhouette is casual and relaxed, with a comfortable fit that balances the upper and lower body. The asymmetry in the design adds a unique touch to the overall style." C_3: "The image depicts a scene with rocks and water, not a fashion outfit. Therefore, there are no colors to analyze in terms of fashion." C_4: "The outfit is suitable for spring, featuring lightweight fabrics and layering options." C_5: "The image features two circular depressions in a stone surface, filled with water and algae. The depressions are positioned off-center from each other, creating an asymmetrical balance that draws the eye across the image. The lighting is bright, casting clear shadows and enhancing the textures of the stones and the organic growth within the depressions. This composition effectively highlights the natural elements present in the scene without detracting from the overall aesthetic."	**Ground Truth:** 7.520 **DEVL:** 7.023 **FFGLC-DEVL:** 7.247

Table 93. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/12/13 **Subcategory:** Makeup **Concept:** tar **Alltags:** friends set one concert belgique au pot lait tar lige mga potaulait tarone lepotaulait	C_1: "The fashion image shows a group of people at an indoor event, possibly a party or gathering. They are dressed in various styles, with some wearing scarves and others holding drinks. The atmosphere appears lively and social, with attendees engaged in conversation and enjoying themselves." C_2: "The image depicts a group of people in a social setting, likely a bar or club. The fashion items include a variety of materials such as wool for the scarves and jackets, suggesting cooler weather outside. Silhouettes range from loose to tight, with some individuals wearing fitted tops and others in more relaxed clothing. There is a balance between upper and lower body, with most outfits featuring a combination of both loose and tight elements. Unique features include a fur-lined hat and a jacket with a distinctive star design. Overall, the style leans towards casual, comfortable attire suitable for a social gathering." C_3: "The image features a diverse array of colors, with black being the dominant hue in many outfits. Accent colors such as reds, blues, and purples are used to highlight specific areas like scarves, hats, and clothing patterns. There are at least ten distinct colors visible, contributing to a vibrant and eclectic aesthetic. The contrast between dark and bright colors creates visual interest, while the harmonious blend of shades adds depth to the overall look." C_4: "The outfit is suitable for winter, with heavy fabrics like jackets and scarves. Layering is evident, with individuals wearing multiple layers to stay warm. Accessories such as hats and scarves are appropriate for the cold weather. The colors are muted, which is typical for winter fashion." C_5: "The image composition features a group of people in a dimly lit indoor setting, creating an intimate atmosphere. The subjects are placed off-center, which adds visual interest and breaks the monotony of a centered composition. Lighting is subdued with warm tones, casting soft shadows that contribute to the ambiance without detracting from the visibility of the subjects' outfits. This lighting enhances the overall mood of the scene, making it suitable for a social gathering or party."	**Ground Truth:** 3.810 **DEVL:** 3.905 **FFGLC-DEVL:** 4.015

Table 94. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2016/1/9 **Subcategory:** Tattoos **Concept:** tattooed **Alltags:** canada art tattoo vancouver one artist bc oliver okanagan traditional famous off canadian best tattoos clean kettle valley kelowna sheppard custom vernon penticton kirk tattooing awardwinning kvr tattooed tattooist kettlevalley tattooartist omak okfalls tattooer southokanagan bestcustom birtishcolumbia colortattoos traditionaltattooer kirksheppard besttattoos kirksheppardtattooscom raincitytattoos raincitytattoo kettlevalleytattoo penticontattoo arttherapycorp bestinokanagan bestinbc besttattoosokanagan kirksheppardtattoos okanaganbesttattoos okanaganbest kettlevalleytattoocompany narramata summerlandtattoos customtattoospenticton okanaganbestcustom okanaganartist pentictionartist bestcustomtattoospentiction	C_1: "The image displays a vibrant and colorful tattoo design featuring two skeletal figures, one wielding a scythe and the other with a skull mask. The artwork is rich in detail, incorporating elements like flames, roses, and various symbols, creating an intense and dramatic visual theme." C_2: "The image depicts a tattoo with vivid colors and intricate designs. It features two skeletal figures, one holding a scythe, set against a backdrop of flames and roses. The use of bright colors like red, blue, and green creates a striking contrast. The tattoos have a gothic and macabre theme, with the skeletal figures being the central focus. The design is symmetrical, with each side mirroring the other, creating a balanced visual effect. The tattoos are likely made from ink on skin, as they are typically applied in this medium." C_3: "The image features a vibrant and colorful tattoo design. The primary colors dominating the outfit are shades of purple, blue, and red. Accent colors include green, yellow, and pink, which are used to enhance specific areas such as the eyes of the skulls and the petals of the rose. There are at least ten distinct colors visible in the design. The contrast between the warm tones of the flames and the cool tones of the skulls creates a visually striking effect. The use of these colors contributes to the overall aesthetic by adding depth and interest to the design." C_4: "The outfit is a vibrant and colorful tattoo design featuring two skeletal figures, one wielding a scythe and the other with a skull mask. The use of bright colors and intricate details aligns with the artistic expression often associated with winter or holiday-themed tattoos. The design does not adhere to traditional seasonal norms, as tattoos are typically not considered seasonal fashion items. However, the choice of vivid colors and elaborate patterns could be seen as a way to stand out during the winter months when clothing tends to be heavier and more subdued." C_5: "The image features a vibrant and detailed tattoo design. The central subject, a skeletal figure wielding a scythe, is placed off-center to the left, creating an interesting visual dynamic that draws the eye across the composition. Lighting is used effectively with bright highlights and deep shadows, enhancing the three-dimensional quality of the design and making the colors pop. This interplay of light and shadow adds depth and makes the tattoo appear more lifelike, contributing to its overall impact."	**Ground Truth:** 6.740 **DEVL:** 7.405 **FFGLC-DEVL:** 7.899

Table 95. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/4/9 **Subcategory:** Hair **Concept:** hairdo **Alltags:** light portrait woman colors girl smile face yellow female hair spring model eyes skin hairdo curls lips curly bloom blooming	C_1: "The fashion image shows a woman with long, curly hair wearing a black leather jacket and a yellow scarf. She is posing for the camera with a slight smile." C_2: "The image features a person wearing a black leather jacket with a fur-lined collar, paired with a yellow scarf. The leather jacket has a structured silhouette, while the fur adds a soft texture to the outfit. The yellow scarf provides a pop of color against the dark jacket. The balance between the upper and lower body is harmonious, with the scarf lengthening the neck and the jacket providing a defined waistline. The combination of materials—leather, fur, and fabric—creates a stylish and layered look." C_3: "The primary colors dominating the outfit are blue and brown, with the blue leather jacket and brown fur collar. The accent color is yellow, seen in the scarf, which adds a pop of brightness to the ensemble. There are three distinct colors visible: blue, brown, and yellow. These colors complement each other, creating a warm yet modern aesthetic. The blue and brown provide a neutral base, while the yellow scarf adds a playful touch, making the outfit visually appealing and stylish." C_4: "The outfit is suitable for autumn, featuring a leather jacket and fur-lined coat. The colors are warm and earthy, with a yellow scarf adding a pop of color. The fabric weight is appropriate for cooler weather, and the layering is well-executed. The outfit aligns with autumnal fashion norms, which often include heavier fabrics and earthy tones." C_5: "The subject is centered in the frame, creating a balanced composition. The lighting is soft and even, highlighting the subject's features without harsh shadows. This enhances the visibility of the outfit, particularly the vibrant yellow scarf and the fur-lined jacket, making them stand out against the muted background."	**Ground Truth:** 8.010 **DEVL:** 9.866 **FFGLC-DEVL:** 9.014

Table 96. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/12/18 **Subcategory:** Makeup **Concept:** glue **Alltags:** collage modern analog vintage glue scissors transparencies dawnarsenauxmsneauxneaux minglingwithgods	C_1: "The image displays a collage of various elements, including a draped fabric, a statue of a nude figure, and a shadowy figure holding an object. The combination of these elements creates a surreal and artistic composition that evokes a sense of mystery and intrigue." C_2: "The image features a collage with various elements. There is a metallic, reflective statue of a human figure on the left, which contrasts with the matte texture of the pink fabric above it. The silhouette of the statue is sleek and elongated, while the fabric appears soft and draped. The right side of the image shows a dark, solid-colored object that seems to be a part of a larger structure or sculpture. The balance between the shiny, smooth surface of the statue and the soft, flowing fabric creates an interesting visual dynamic. The asymmetry in the composition adds to the uniqueness of the outfit's style." C_3: "The image features a collage with various elements, including a metallic statue and a shadowy figure. The primary colors are muted, with shades of gray dominating the scene. Accent colors include subtle hints of pink and green, adding depth and contrast to the composition. The total number of distinct colors is limited, creating a cohesive and harmonious visual appeal. The use of these colors enhances the metallic sheen of the statue and adds a touch of warmth to the shadowy figure, contributing to the overall aesthetic of the collage." C_4: "The outfit consists of a metallic silver dress, a black hat, and a pink scarf. The metallic fabric of the dress suggests a winter or holiday theme, while the black hat could be suitable for colder weather. The pink scarf adds a pop of color but may not be practical for very cold temperatures. Overall, the outfit seems to align with winter fashion norms, but the choice of a metallic dress might be considered unconventional for the season." C_5: "The image composition features a central figure, a metallic statue of a person, with a draped fabric above it. The statue is placed off-center, creating an asymmetrical balance that draws the eye. Lighting is soft and diffused, casting gentle shadows and highlighting the reflective surface of the statue. This lighting enhances the outfit's presentation by emphasizing its texture and form without detracting from the overall aesthetic."	**Ground Truth:** 9.150 **DEVL:** 9.276 **FFGLC-DEVL:** 9.075

Table 97. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/12/26 **Subcategory:** Makeup **Concept:** mascara **Alltags:** barcelona family boy bw familia mask bn learning mascara nen	C_1: "The fashion image shows a person wearing a polka-dotted outfit and a gas mask. The individual is standing on a textured surface, possibly concrete or asphalt, with their head tilted slightly upwards. The gas mask has large eye pieces and a filter on the front, giving it a distinctive appearance. The outfit consists of a patterned top and pants, which are dotted with small white spots on a darker background. The person's footwear is not fully visible, but they appear to be wearing sneakers. The overall style combines elements of streetwear with a touch of avant-garde due to the unconventional choice of headgear." C_2: "The outfit features a polka-dotted shirt with a structured, loose silhouette. The person wears a gas mask with round lenses and a filter on the side, adding an asymmetrical element to the look. The combination of the mask and the shirt creates a unique, edgy style that stands out against the simple background." C_3: "The outfit features a black and white polka dot pattern, with the dots being the primary color dominating the ensemble. The accent color is not visible in this image. There are two distinct colors: black and white. The contrast between the dots and the background creates a visually appealing pattern that draws attention to the outfit's overall aesthetic." C_4: "The outfit is suitable for winter, featuring a heavy fabric jacket and a beanie. The person is wearing a patterned shirt with a polka dot design, which adds a playful touch to the otherwise functional attire. The combination of these items suggests that the outfit is designed for cold weather, aligning with winter norms." C_5: "The subject is positioned centrally in the frame, creating a balanced composition. The lighting is even, with no harsh shadows, which enhances visibility and allows for clear details of the outfit to be seen. The placement and lighting contribute positively to the overall presentation of the outfit."	**Ground Truth:** 7.340 **DEVL:** 7.232 **FFGLC-DEVL:** 7.359

Table 98. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2016/1/25 **Subcategory:** Makeup **Concept:** gloss **Alltags:** girls portrait people woman white snow color colour sexy art colors girl beautiful beauty make up fashion glitter modern silver magazine grey design photo outfit amazing cool model colorful colours girly unique nail models moda makeup style polish wear sparkle nails short stuff trendy passion girlpower colored gloss manicure chic trend nailpolish cosmetics outfits sparkling nailart fashionable naildesign girlsstuff nailspolish nailsart nailsdesign	C_1: "The fashion image shows a close-up of a hand with nails painted in a white and silver glittery design, resting on a fluffy white surface." C_2: "The image features a close-up of a hand with nails painted in a glittery silver and white design. The nails are well-manicured, with the glittery polish on the tips creating a sparkling effect against the smooth base color. The hand is resting on a soft, fluffy white surface that contrasts with the shiny nails, adding to the luxurious feel of the image. The overall style is elegant and festive, suggesting a special occasion or holiday theme." C_3: "The image features a hand with nails painted in a monochromatic white and silver color scheme. The primary color is white, which covers the majority of the nails, providing a clean and neutral base. Silver accents are used to enhance specific areas, such as the tips of the nails and the center of one nail, adding a touch of sparkle and contrast against the white. There are two distinct colors visible: white and silver. The combination creates a chic and elegant aesthetic, with the silver accents drawing attention and adding visual interest without overwhelming the overall look." C_4: "The outfit is winter-themed, featuring a fluffy white garment that aligns with the cold weather. The use of white and silver colors on the nails complements the winter season, as these are often associated with snow and icy aesthetics. The overall look is consistent with typical winter fashion, focusing on warmth and a monochromatic color palette." C_5: "The image features a close-up of a hand with nails painted in a glittery white polish, resting on a soft, fluffy white surface. The nails are centered in the frame, drawing attention to the detailed nail art. The lighting is bright and even, highlighting the sparkle of the glitter without casting harsh shadows, which enhances the visibility and overall presentation of the nail design."	**Ground Truth:** 7.210 **DEVL:** 6.223 **FFGLC-DEVL:** 6.725

Table 99. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/12/21 **Subcategory:** Hair **Concept:** straight **Alltags:** from film no processing roll 100 straight 45mm chinon ektar f17	C_1: "The image shows a cat with a focused gaze, sitting in front of a bokeh light effect." C_2: "The image depicts a cat, not a fashion item. Therefore, there are no materials, silhouettes, or unique features to analyze in terms of fashion." C_3: "The image features a cat with a fur pattern that includes shades of gray, black, and white. There are no distinct accent colors as the focus is on the natural fur pattern. The total number of distinct colors visible is three. The gray and black create a contrast against the white, giving the cat a striking appearance." C_4: "The outfit is suitable for winter, with a warm fabric weight and layering appropriate for the cold season." C_5: "The image features a cat with a centered placement, drawing the viewer's attention directly to it. The lighting is soft and diffused, creating gentle shadows that add depth without overwhelming the subject. This balanced lighting and central composition enhance the visual appeal of the cat, making it the focal point of the image."	**Ground Truth:** 5.130 **DEVL:** 5.511 **FFGLC-DEVL:** 5.187

Table 100. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/5/1 **Subcategory:** Nails **Concept:** unhas **Alltags:** unhas saldodoms	C_1: "The image displays a collection of nail polish bottles arranged in two rows. The top row features eight bottles with various colors and finishes, while the bottom row showcases six bottles with different designs and hues." C_2: "The image features a collection of nail polish bottles with various colors and finishes. The materials are primarily acrylic, as nail polish is typically made from acrylic polymers. The silhouette is uniform, with each bottle having a similar shape and size. There is no significant balance or asymmetry between the upper and lower body as this is a flat display of products rather than clothing items. Unique features include the different colors and finishes such as glitter, matte, and metallic." C_3: "The image features a collection of nail polishes with various colors. The primary colors include shades of red, blue, purple, and gold. Accent colors like orange and yellow are also present. There are at least eight distinct colors visible. These colors complement each other by creating a vibrant and diverse palette that can be used to enhance different parts of an outfit. The contrast between warm and cool tones adds depth and visual interest to the overall aesthetic." C_4: "The image displays a collection of nail polishes, which are not fashion items but rather beauty products. Therefore, there is no seasonal relevance to discuss in this context." C_5: "The image displays a collection of nail polish bottles arranged in two rows against a white background. The top row features six bottles with glittery finishes, while the bottom row showcases six bottles with solid colors and different textures. The arrangement is centered, creating a balanced composition that draws attention to the variety of colors and finishes. The lighting is bright, casting minimal shadows and ensuring high visibility of the products' details. This setup enhances the presentation by making each bottle stand out distinctly, allowing viewers to easily compare and appreciate the differences in color and texture."	**Ground Truth:** 9.010 **DEVL:** 9.026 **FFGLC-DEVL:** 8.547

Table 101. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2016/1/14 **Subcategory:** Hair **Concept:** hairdo **Alltags:** party haircut toronto night hair buzz downtown drinking hairdo whiskey barbershop nighttime barber series buzzcut bourbon torontomusic-scene shawnheaney lauralynnpetrick-haircut	C_1: "The image shows a man giving another man a haircut using an electric clipper. The seated man is holding a bottle, possibly containing a beverage or hair product. They are both indoors, with a door and window visible in the background." C_2: "The image features two individuals. The person standing is wearing a light blue denim shirt with rolled-up sleeves, which suggests a casual and relaxed style. The person sitting is wearing a beige or light brown shirt that appears to be loose-fitting, contributing to the overall laid-back vibe of the scene. Both outfits have a balance between upper and lower body, with neither being overly tight nor too loose. The denim shirt has a structured silhouette, while the other shirt's silhouette is more relaxed. There are no unique features that stand out in terms of fashion, but the combination of denim and the casual setting suggest a comfortable and informal atmosphere." C_3: "The image features two individuals, one wearing a light blue denim shirt and the other in a beige shirt. The primary colors dominating their outfits are blue and beige. There is no accent color visible in this context. The total number of distinct colors is two. The blue denim shirt contrasts with the beige shirt, creating a visually appealing contrast that adds depth to the overall aesthetic of the image." C_4: "The outfit is suitable for winter, with a denim shirt and sweater providing warmth. The person is wearing a jacket, which is appropriate for the cold weather. The choice of clothing aligns with winter norms, as it includes heavier fabrics and layering to keep warm." C_5: "The image features two individuals, one standing and holding a hair clipper to another person's head. The standing individual is positioned slightly off-center, creating an interesting visual dynamic that draws attention to the action taking place. Lighting appears to be artificial, with a strong light source coming from the left side of the frame, casting shadows on the right side of the subjects' faces and creating a sense of depth. This lighting choice enhances the visibility of the subjects and their actions, making the scene more engaging. The composition effectively focuses on the interaction between the two individuals, highlighting the casual and intimate nature of the moment."	**Ground Truth:** 7.750 **DEVL:** 8.261 **FFGLC-DEVL:** 7.797

Table 102. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/4/24 **Subcategory:** Sneakers **Concept:** solecollector **Alltags:** asics solecollector triple-black sneakerphotography	C_1: "The fashion image shows a person's feet wearing black sneakers with a distinctive design, featuring mesh panels and a thick sole. The person is also wearing dark socks and khaki pants that are rolled up at the ankles. The background suggests an outdoor setting with a paved surface and some greenery in the distance." C_2: "The image features a pair of black sneakers with a modern, structured silhouette. The shoes have a combination of mesh and synthetic materials, providing both breathability and durability. They are paired with dark-colored socks and olive green pants that are cuffed at the ankles, creating a balanced look. The sneakers' design includes a thick sole with a patterned tread for grip, and the laces are tied neatly. The overall style is casual yet trendy, suitable for urban settings." C_3: "The primary color dominating the outfit is black, seen in the sneakers and pants. An accent color, navy blue, is used on the sneakers' laces and the heel tab. There are two distinct colors visible: black and navy blue. The contrast between the dark navy blue accents and the black creates a sleek and modern look, while the black provides a neutral base that allows the navy blue to stand out. This color scheme contributes to an overall aesthetic of sophistication and style." C_4: "The outfit is suitable for spring, featuring lightweight fabrics and layering appropriate for mild temperatures. The dark-colored sneakers with breathable mesh panels are ideal for warmer weather, while the rolled-up pants suggest a transition from heavier winter wear to lighter spring attire. The overall ensemble aligns well with spring fashion norms, offering both style and comfort for the season." C_5: "The image features a pair of black sneakers with dark laces, worn by an individual standing on a paved surface. The subject is positioned slightly off-center to the left, creating visual interest and balance. The lighting is bright, casting soft shadows beneath the shoes, which enhances the visibility and texture of the sneakers. This composition effectively highlights the outfit's details without detracting from the overall presentation."	**Ground Truth:** 5.700 **DEVL:** 5.164 **FFGLC-DEVL:** 5.453

Table 103. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2016/1/27 **Subcategory:** Guys,Fashion **Concept:** dope **Alltags:** 30 thecity jersey dope ??rigsrocks? ??champions? ??goldenstate? ??mvp? ??nba? ??stephencurry? ??warriors?	C_1: "The image shows a yellow basketball jersey with the name "Curry" and the number "30" printed on the back." C_2: "The image features a yellow basketball jersey with blue trim and lettering. The jersey is made of a lightweight, breathable fabric suitable for athletic wear. It has a loose silhouette that allows for ease of movement. The name "Curry" and the number "30" are prominently displayed in blue, creating a striking contrast against the yellow background. The jersey's design is simple yet effective, with no additional embellishments or asymmetrical elements, focusing on functionality and team representation." C_3: "The primary color of the outfit is yellow, which dominates the jersey. The accent color is blue, used for the name "Curry" and the number "30." There are two distinct colors visible: yellow and blue. The contrast between these colors creates a vibrant and eye-catching look, making the jersey visually appealing and easily recognizable as a sports jersey." C_4: "The yellow basketball jersey with blue trim and lettering is suitable for warmer weather, likely spring or summer. The lightweight fabric and sleeveless design are appropriate for these seasons. However, the post date suggests it might be winter, which could make the outfit less relevant for that season." C_5: "The yellow basketball jersey with blue lettering and numbering is centered in the image, creating a balanced composition. The lighting is bright, casting minimal shadows and ensuring high visibility of the jersey's details. This enhances the presentation by making the text and design elements easily readable and visually appealing."	**Ground Truth:** 6.440 **DEVL:** 5.833 **FFGLC-DEVL:** 6.065

Table 104. SMPD-Fashion examples of test data with post information, generated captions, and popularity scores. Post Information includes the posted image, posting date, Subcategory, Cocenpt, and Alltags the user selected. Each caption, C_1 to C_5, represents different aspects of the fashion post. The ground truth score, the predicted score from DEVL, and the predicted score from FFGLC-DEVL are included.

Post Information	Generated Captions	Popularity Scores
Image: **Datetime:** 2015/10/3 **Subcategory:** Sneakers **Concept:** kicks **Alltags:** andy set downs football cheerleaders helmet injury saturday down buddy hut zebra kicks plays cheering scoring umpire freehat bronchos refs uco umps edmondoklahoma ucobronchos wantlandstadium ucofootball	C_1: "The image shows a group of people, including football players and a coach, on a field. One player is wearing a jersey with the number 64, while another player has his arm around the first player's shoulder. The coach is wearing a headset and appears to be giving instructions or advice." C_2: "The image features a football player wearing a navy blue and gold uniform with the number 64. The uniform is made of synthetic materials, likely polyester or nylon, which are common in athletic wear for their durability and moisture-wicking properties. The silhouette of the uniform is tight-fitting, accentuating the player's muscular build. The color scheme is bold, with the gold accents providing a striking contrast to the navy blue base. The player's attire is well-coordinated, with matching socks and cleats, creating a cohesive look that is both functional and visually appealing." C_3: "The image features a football player wearing a navy blue jersey with yellow accents, including the number 64. The primary color is navy blue, which dominates the outfit, while yellow serves as an accent color to highlight the number and trim of the sleeves. There are two distinct colors visible: navy blue and yellow. The combination creates a strong contrast that draws attention to the player's number, enhancing visibility on the field. This color scheme contributes to the athletic aesthetic, emphasizing both team identity and individual player recognition." C_4: "The outfit is suitable for autumn, with a t-shirt and shorts indicating mild weather. The presence of a belt suggests an attempt to keep the clothing in place, which is common during cooler temperatures. However, the choice of a t-shirt instead of a long-sleeved shirt or jacket may not provide adequate warmth for the season." C_5: "The image composition features a football player in the foreground, with a coach standing behind him. The player is wearing a dark blue jersey with yellow accents and the number 64, while the coach is dressed in a white shirt and khaki pants. The lighting appears to be natural, casting soft shadows on the field, which enhances the visibility of both subjects. The positioning of the coach slightly offset from the center of the frame draws attention to the player, creating a balanced composition that emphasizes the athlete's presence."	**Ground Truth:** 8.730 **DEVL:** 8.803 **FFGLC-DEVL:** 8.787