



Multi-view network-based social-tagged landmark image clustering

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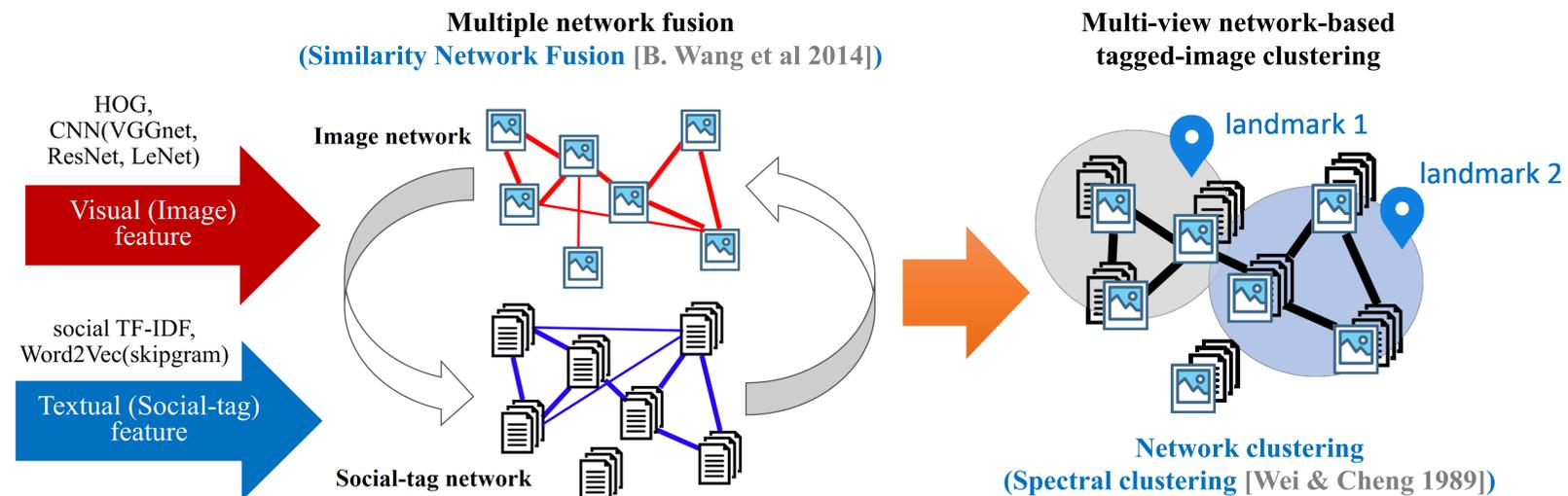
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Abstract

- Motivated by the fact that learning multi-modal social data is challenging due to data heterogeneity and noise in user-generated data
- Proposed a **multi-view network-based clustering approach** that is **robust to noise** and **fully reflects the underlying structure of the comprehensive network**
- Experimented with clustering challenging tagged images of landmarks
- Outperforms other previously reported multi-view clustering algorithms and **better utilizes the advantages of the network for each view**
- Do not need to know the exact network structure of each view** and can effectively combine complementary information from different types of data
- Can be applied to any number of data types

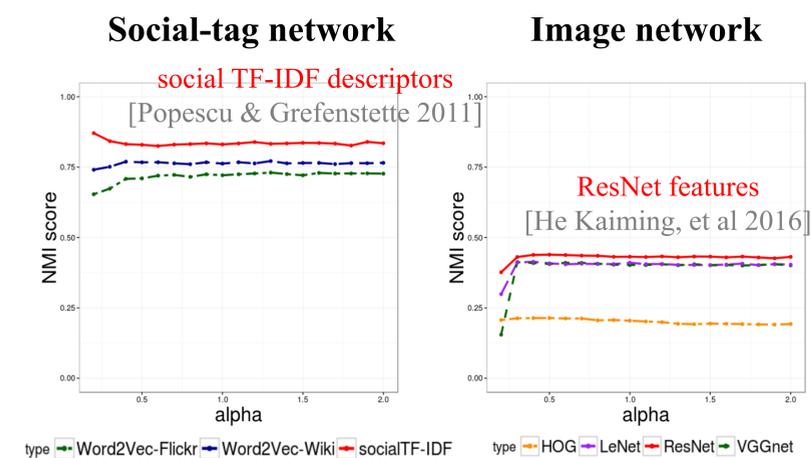
Methods

Flickr social-tagged landmark images

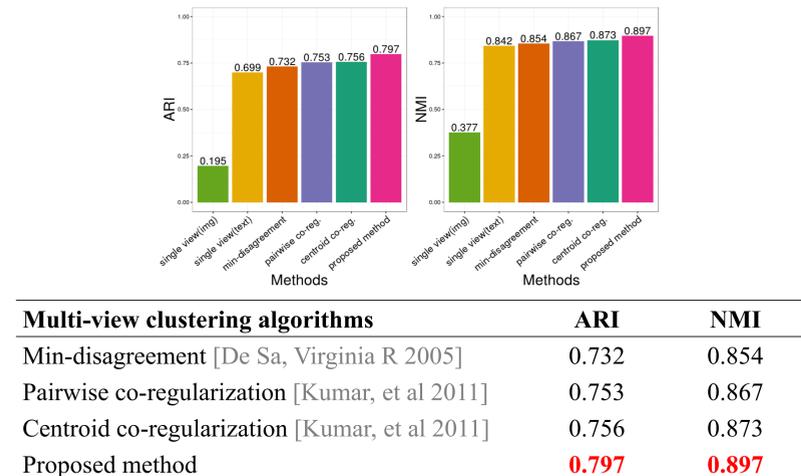


Results

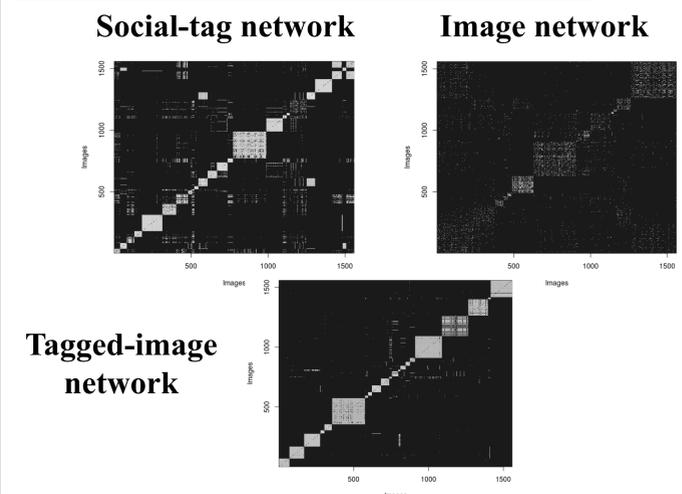
Performance comparison of different descriptors



Performance comparison between different algorithms



Multi-view network based cluster analysis



The landmark(cluster) "Wurzburg Residence Germany"

