# **Depression Detection by Combining Eye Movement with Image Semantics** Yuxin Lin<sup>1</sup> Huimin Ma<sup>\*1</sup> Zeyu Pan<sup>2</sup> Rongquan Wang<sup>1</sup>



- subjects' eye movement data.
- the subjects' psychological conditions.
- The accuracy of our method is up to 90.06%, which



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Sensitivity	Specificity	• Use an SVM as the discrimination
84.91%	82.67%	• Respectively calculate the s
		_ segmentation features for de
73.58%	73.33%	• Combine the features based
		– of semantic segmentation for
91.51%	88%	_ classification performance.

