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Titel: Abnormal Driver Behavior Detection for Automated Emotion Recognition (Poster)

Abstract: The goal of this project is to investigate the effect of emotion on the driving style. We aim to develop behavior profiles which represent patterns of driving style influenced by certain emotions. These patterns are then used to classify the emotional state based on the driver behavior. For instance, stressed drivers tend to pay less attention to the traffic and environment. However, in the field of emotion recognition, using the modality of behavior is a relatively neglected research field compared to the modality of facial expression. Therefore, we started this project in the hopes that there are such patterns, which methods based on machine learning will be able to detect. As the result of our survey show, there are various commonly agreed behavior profiles.

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