Micro-expression Database Integrating Multimodal Physiological Signals Release Agreement

Introduction

Micro-expressions (MEs) can reveal human's genuine emotions, which has led to increasing attention in the field of emotion recognition. Variations in physiological signals (PS), such as electrocardiograms (ECG), electrodermal activity (EDA), and respiration (RSP), can reflect emotional fluctuations. Integrating these modalities is expected to enhance emotion recognition performance. We synchronously collected facial micro-expressions and multiple physiological signals to construct a multimodal dataset with seven emotions. This research not only addresses the limitations of existing ME databases but also provides valuable data for exploring the relationships and potential mechanisms between MEs and various PS.

Content

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