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# Online learners' engagement detection via facial emotion recognition in online learning context using hybrid classification model



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## Abstract

Writing, reading, viewing video lectures, completing online examinations, and attending online meetings are all activities that students participate in through the internet. While participating in these educational activities, they demonstrate various degrees of interest, including boredom, aggravation, delight, indifference, confusion, and learning gain. Online educators must accurately and efficiently monitor the degree of engagement of their online learners with the goal of giving focused pedagogical assistance to them through interventions. The objective of this paper is to propose a novel students engagement prediction model for online learners based on facial emotion, which will

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