

ABSTRACT

Mandatory face mask rules are becoming more common in public settings around the world. There are growing scientific evidence supporting the effectiveness of face mask wearing on reducing the spread of the virus. However, we have also seen some backlash on face masks, posing danger to people who are enforcing the rules.

This motivates this work to develop a deep learning model which detects whether a person is wearing a face mask and based on that workout an alerting system. The model can be deployed at local supermarkets or school buildings to control the automatic door, which only opens to people wearing face masks.

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