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Social Distancing Analyzer Using Deep Learning Model

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Abstract: *The SARS-CoV2 virus causes the unstoppable infection known as Covid disease (COVID-19). Anyone can contract COVID-19, become very ill, or pass away at any age. The majority of infected people will experience mild to direct respiratory illness. The best method to help prevent the spread of infection is to practice of social distancing implies keeping up with atleast 2-meter distance in open areas. Motivated by this documentation of social distancing this application is created by utilizing deep learning model for computerized individual detection, tracking and between individuals distance identification in crowd areas by utilizing pre recorded recordings and open sourc object recogniton pretrained model utilizing YOLOv3 calculation utilizing this we can figure out whether individuals are following social distance or not and in light of that it will make red or green limits over it*

Keywords: Covid-19, Deep learning, object detection, machine learning, and social distance

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