

Breaching Personal Bubble Detector using Image Processing

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Abstract: Due to unknowing and incaution the epidemic because of covid 19 has brought a global extremity with deadly spread to further 180 countries and almost 147 million verified cases along with 3.11 million death encyclopedically of 26 April 2021. Due to unavailability of vaccines as well as epidemic is out of control so the only doable is to follow social distancing. And this thought inspire us to bring the idea of social distancing using image processing which involves deep learning from robotization and monitoring. The frame uses the YOLO v3 model object discovery to separate people in motion from the background and to descry bounding boxes around people. The introductory idea of this composition is to dissect the violation of social distancing indicator rates how many people are not following rules of social distancing in a particular time.

Keywords: Social Distancing, Object Detection, Yolo, Image Processing.

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