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## Peer Review on Group 5

- Summary of the report

This is a self-proposed project. Its main goal is to use object detection and image classification techniques to remind the workers to wear safety equipment in construction sites.

Their project mainly consists of two parts:

1. Multi-Person Detector – RAPiD
2. Binary Image Classifier – EfficientNetV2

- Strengths of the report:

The project aimed at a real-world problem – worker safety in construction sites – and is very meaningful. And the dataset they collected are composed of videos and images, rather than simple tabular data, which makes it possible to apply some state-of-the-art techniques and methods.

- Weakness of the report:

One pity is that the data for image classification is still being aggregated.

- Evaluation on quality of writing - 5:

The report was written clearly and logically from objectives to the preliminary results. In the “methodology” section, the composition and structure of each model was clearly presented and demonstrated. And the references were documented in detail.

- Evaluation on presentation - 5:

The presentation was easy to follow. The advantages of the selected models were explained thoroughly. And the answer to the impact of picture distortion in the fisheye camera on the image classification was reasonable.

- Evaluation on creativity - 5:

Object detection methods like RAPiD sound interesting for me. And the idea of using the images from fisheye cameras to increase the surveillance range is very creative.

- Confidence on your assessment - 2: