

Group Members:

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Project Summary:

Our team will investigate image datasets of people with the end goal of not only detecting people within the images but also classifying a simple pose of the detected people (which direction the people are facing relative to the camera). For example, we'd like to detect 4 people in the image to the right and we'd like to classify those 4 people as facing right relative to the camera.

One dataset which may enable us to do this is the COCO-MEBOW (Monocular Estimation of Body Orientation in the Wild) dataset ([link](#)). As demonstrated in the diagram below, this dataset labels images with an orientation value equivalent to the angle the person is facing relative to the camera.

