We wanted to test the effectiveness of our recognizer. We tested the amount of data, distance, and optimal distance. The optimal distance was determined by the position the photo was taken, and the distance was from the camera (2ft). We used a built in function called predict which returns a prediction on a label and associated confidence for a given input image. Our first test consisted of thirty images which gave us a stable 50% accuracy out of 100% using optimal distance. The longest distance that the camera was able to detect the face was 5ft. We then tested 50 photos at optimal distance which gave us 57% accuracy. The longest distance that the camera was able to detect the face was 5ft 2. We tested with 80, and 100 images, which provided identical results. 60% accuracy from optimal distance, and up to 5ft 2.

Detecting Face