Colleen Weber Take Home Assignment

Object Detection

**Summary Table of Outputs:**

A screenshot of a graph

Description automatically generated

**Comments:**

The summary table shows that YOLO is faster with an average time of 0.5 seconds compared to the 2.0 seconds for R-CNN. However, it is less accurate than R-CNN with 0.85 and 0.95 confidences, respectively.

The Grayscale edge detection is much faster than both deep learning methods with an average time of 0.1, although the accuracy is only 0.60 – this method is best suited for edge detection as there is no object classification with this model.