

Report: Shape Detection

November 24, 2022

Subtask 1: The No-Entry Sign Detector

0.1 Training performance

The Viola Jones detection algorithm works by adding additional weak classifiers on each stage so naturally it starts accepting all images which gives it a 100% acceptance rate for all images giving 1 for both TPR and FPR. The next stages work by adding weak classifiers and they stop accepting so many false positives. The true positive rate achieved during testing is worse than that achieved

0.2 Testing performance

1 Subtask 2: Integration with Shape Detectors



Figure 1: traning data

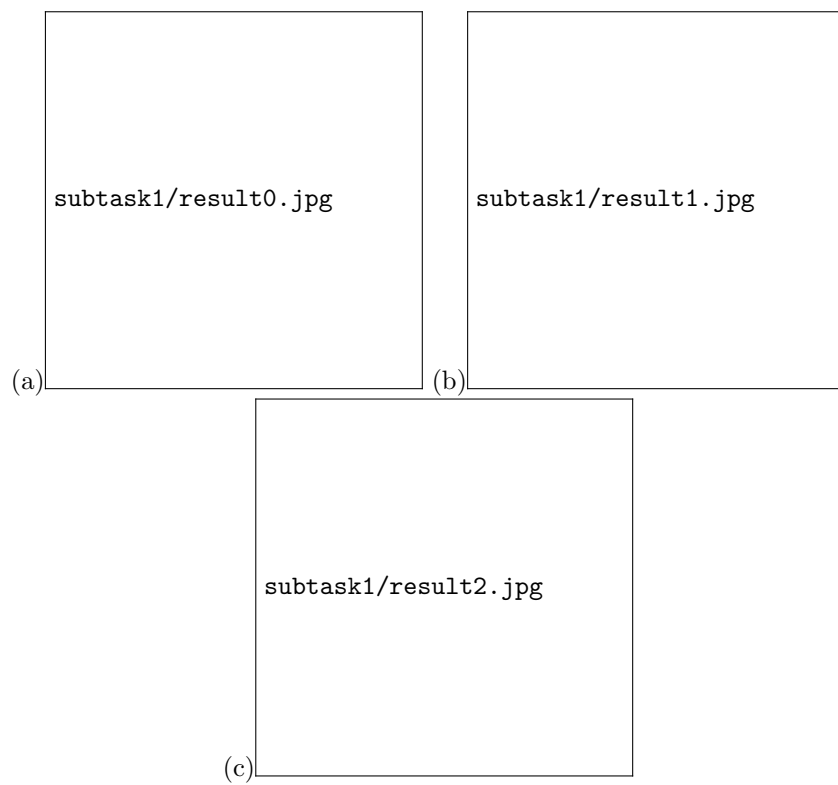


Figure 2: (a) blah (b) blah (c) blah (d) blah