

# Report: Shape Detection

November 23, 2022

## 1 Training performance

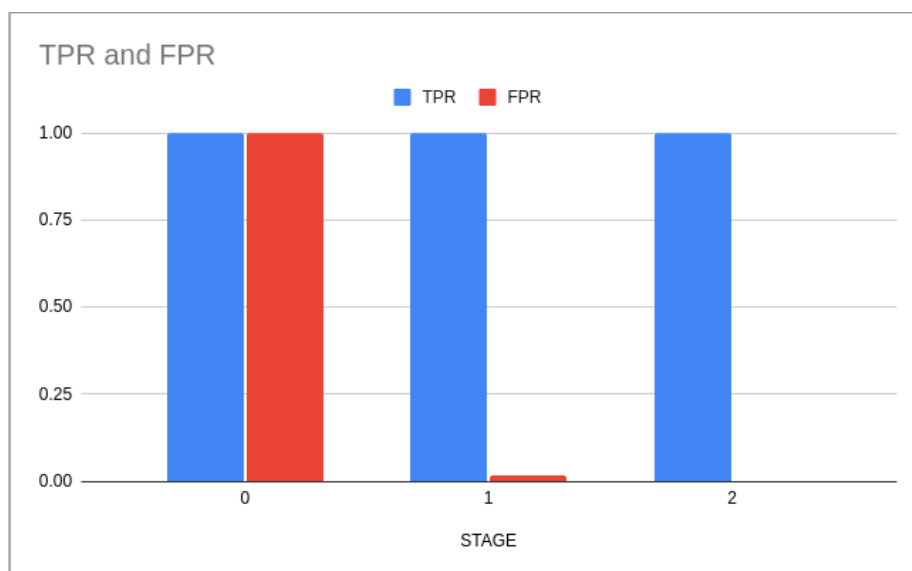


Figure 1: training data

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

## 2 Testing performance



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