Team Information

- Sebastian Velasquez (s1700260)
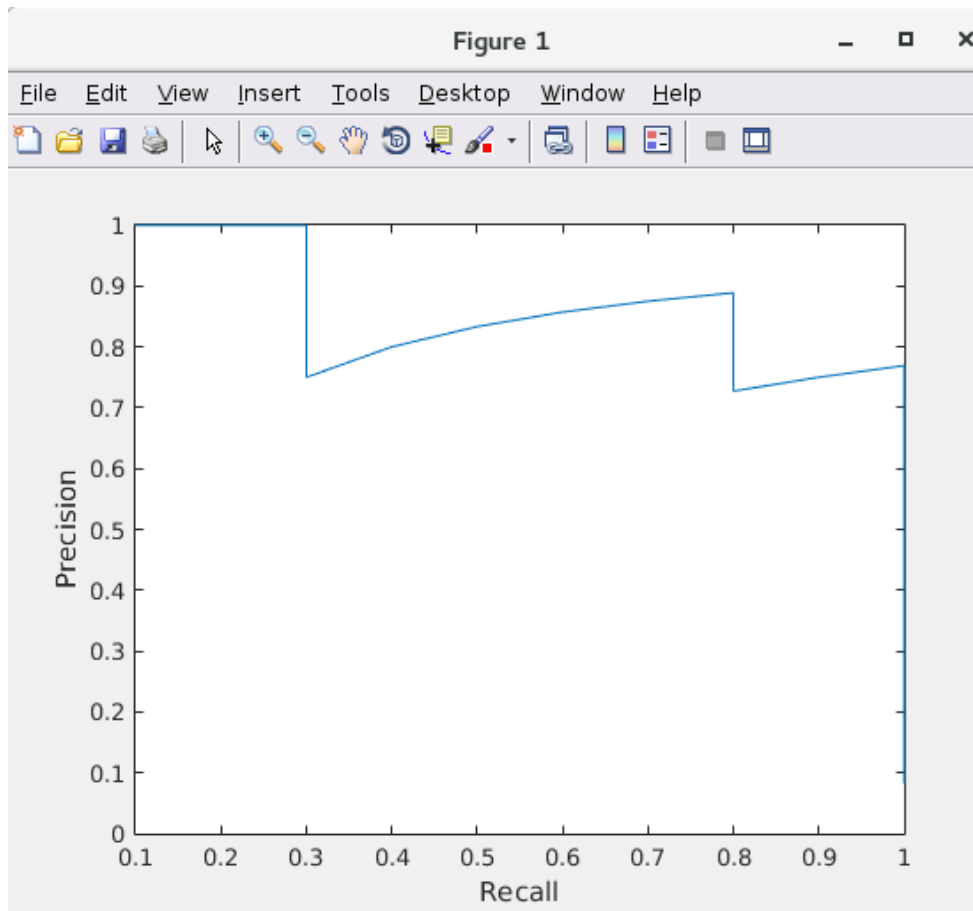- Mengzhu Cai (S1734032)

1. Detection: Method

- Feature Extraction: HoG

- Classifier: SVM

- Sliding Window:

    Based on stride and window size

    Vertical and Horizontal iteration through the whole image

1. Detection: Results

We got 0.89829 AP for testing set

2. Recognition/Verification: Method

- Recognition:
  - Feature Extraction: HoG + LBP
  - Classifier: SVM

- Verification:
  - Feature Extraction: difference of HoG and LBP between both images
  - Classifier: SVM
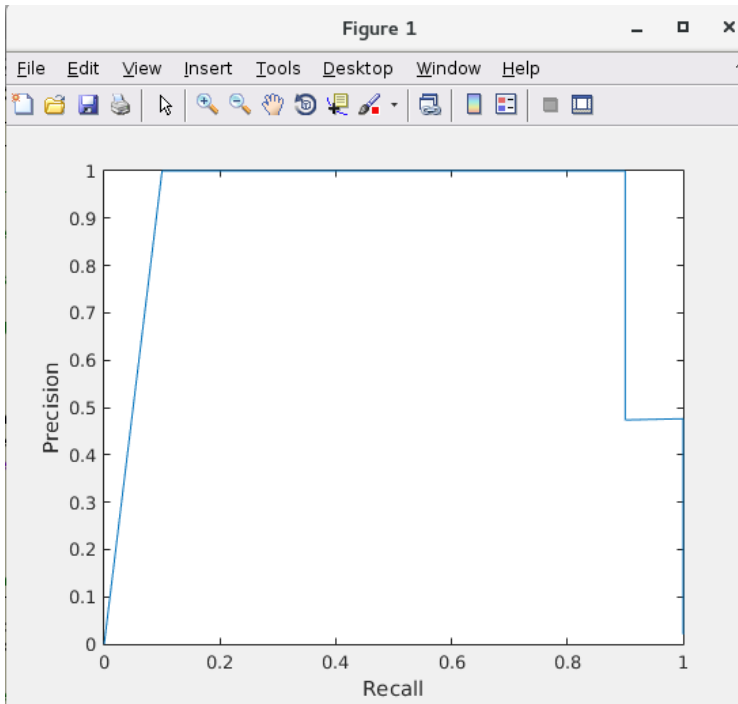 - Key Idea: images of different people have bigger standard deviation

2. Recognition/Verification: Results

- We got 58.17% recognition accuracy.
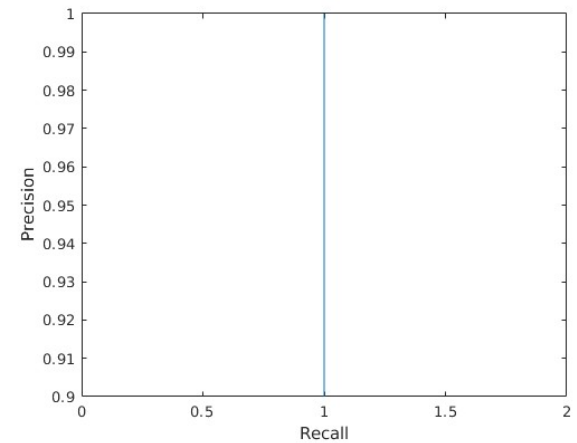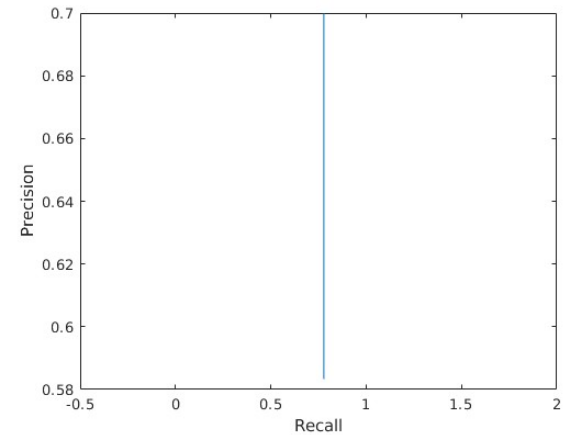- We got 62.30% verification accuracy.

3. Bonus: Method

- Detection:
    - Neural Network with HoG parameters
    - HoG function
    - Face detection with SVM using Matlab

3. Bonus: Results

using Matlab with
Hog+LBP+SVM

Neural Network