

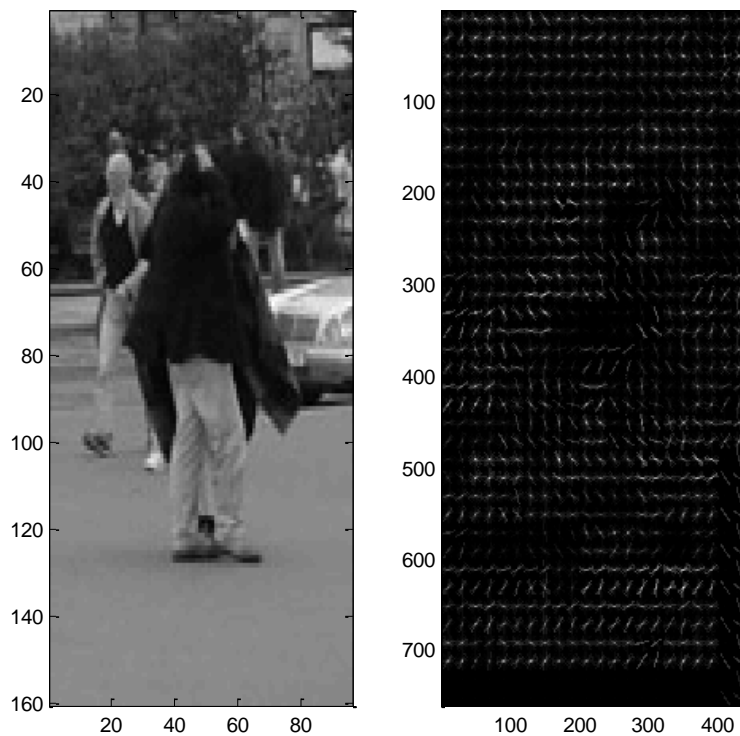
PRACTICAL 6 – VISUAL SOLUTIONS

Feature extraction and recognition

DISCLAIMER: PLEASE BE AWARE THAT YOUR RESULTS MAY BE SLIGHTLY DIFFERENT DEPENDING ON YOUR PARAMETERS, ETC.. THIS IS JUST FOR VISUAL HELP.

TASK 1: PEDESTRIAN CLASSIFICATION

STEP 3:



Please remember that the two hour duration of a practical class will probably not be enough time to complete all sections. There is an expectation that you will work outside of class as an independent learner.

STEP 6 (OPTIONAL):**STEP 8:** (Using all 1500 training images)

Acc = 96.67%

Training time = 69.5 sec

Testing time = 35.20sec

STEP 10: (Using all 1500 training images)

Acc = 56.67%

Training time = 81.52 sec

Testing time = 473.9 sec

Original Image

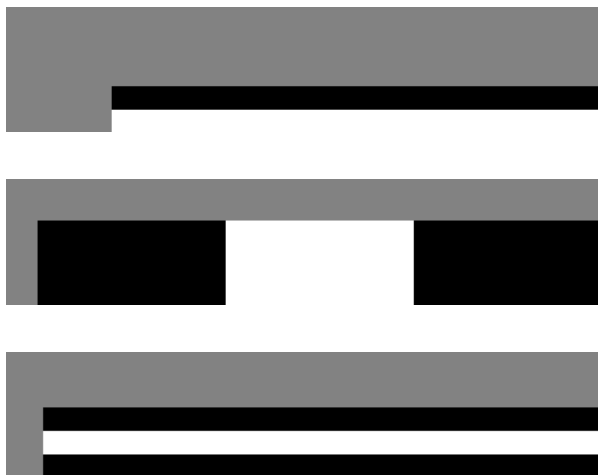


SVM weights

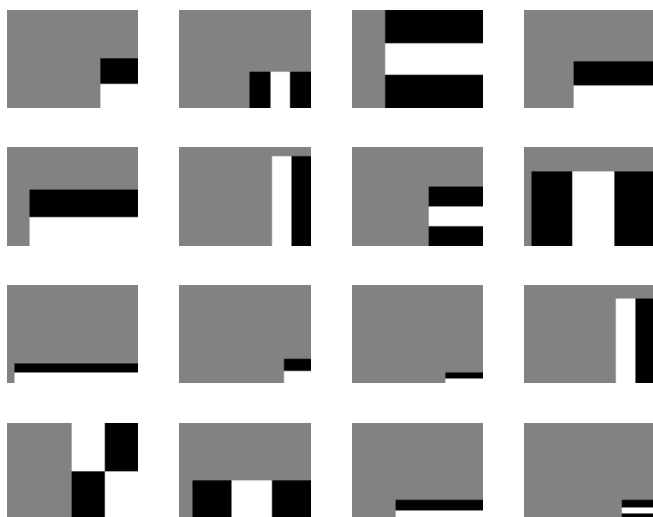


TASK 2: FACE DETECTION

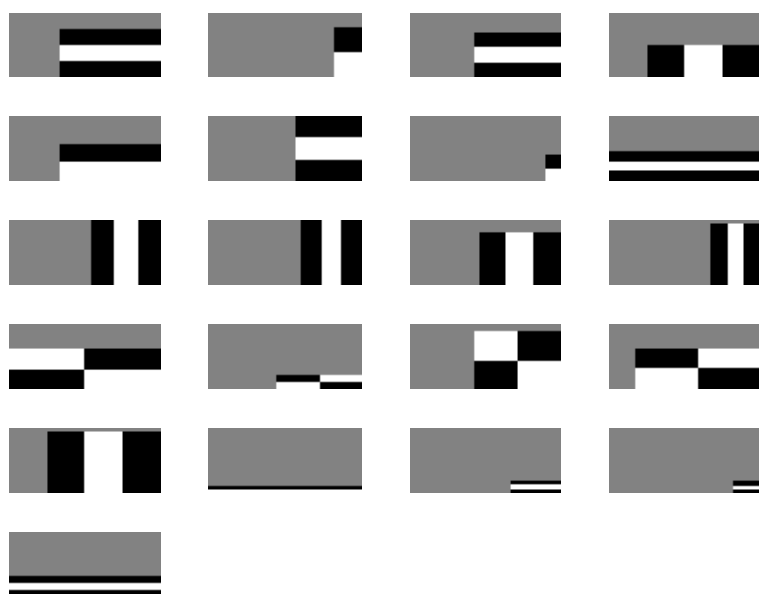
STEP 2: Stage 1



Stage2



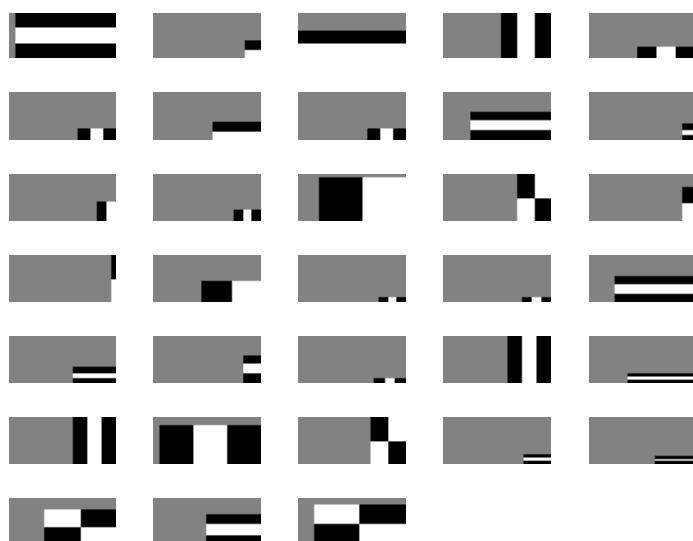
Stage3



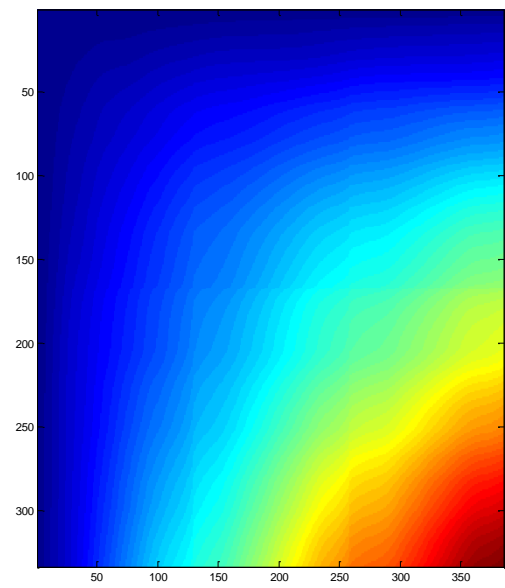
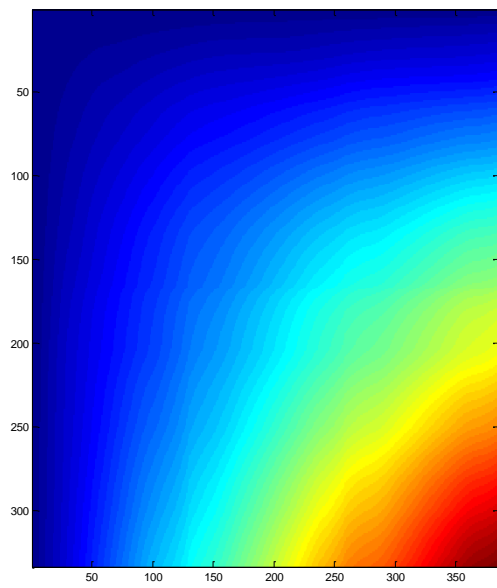
Stage 4



Stage5



STEP 4:



STEP 6:



STEP 8:

