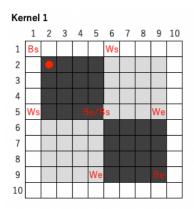
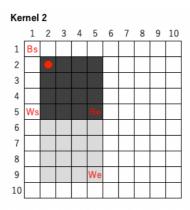
## CSIT5410 Recognition Systems Spring Semester 2021 Assignment 3

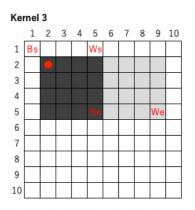


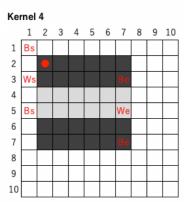
## · A brief explanation of your weak classifiers

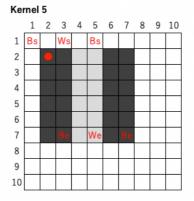
Used five different types of haar feature kernels as the following.

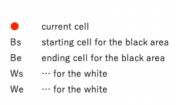








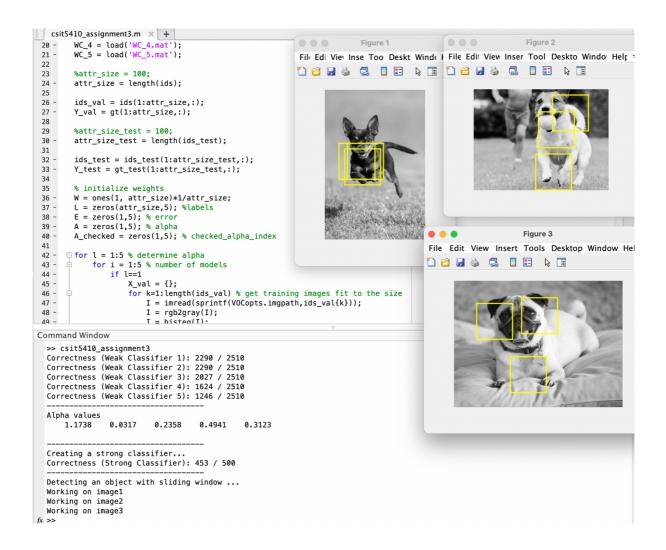




## • A brief explanation of your preprocessing methods (if any)

Exactly follow the instruction in the handout.

- 1. I = rgb2gray(I);
- 2. I = histeq(I);
- 3. I = imresize(I, [128 128]);
- A screen capture of the selected weak classifiers and its weight after the Adaboost algorithm
- A screen capture of the classification accuracy of each weak classifier and strong classifier on images specified in csit5410\_test.txt
- A screen capture of the detection results of the given images in the "test\_images" folder, a maximum of 3 bounding boxes per image.



Note: showing confidence rate isn't applied.