Comp 135
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Programming Project 4 README

* To run the code and reproduce my experiments, go to the folder where the code is saved and type the following:

matlab -nosplash -nodisplay -nojvm -nodesktop < main.m

We should train the dataName and testName to ‘838’ to run problem 1 of the project and produce the figure:

fig1.jpg

We should train the dataName and testName to ‘optdigits_train’ and ‘optdigits_test’ respectively to run problem 2 of the project and produce the following figures by changing the values of d and w corresponding as stated on the assignments:

fig2_train_d3w5.jpg
fig3_test_d3w5.jpg
fig4_train_d3w10.jpg
fig5_test_d3w10.jpg
fig6_train_d3w15.jpg
fig7_test_d3w15.jpg
fig8_train_d3w20.jpg
fig9_test_d3w20.jpg
fig10_train_d3w30.jpg
fig11_test_d3w30.jpg
fig12_train_d3w40.jpg
fig13_test_d3w40.jpg
fig14
fig15_train_w10d1.jpg
fig16_test_w10d1.jpg
fig17_train_w10d2.jpg
fig18_test_w10d2.jpg
fig19_train_w10d4.jpg
fig20_test_w10d4.jpg
fig21_train_w10d5.jpg
fig22_test_w10d5.jpg
fig23.jpg

*Note: I save the dataset directly in the folder named ‘pp4data’ with the code scripts and report file.