HW1 total report

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Answer to the problems:

1. Regression
   (a) (b)
   as in Jupyter notebook report and reg_test_pred.csv, reg_train_pred.csv

   (c)
   I would use linear regression to find out which features have high correlation values. And then try combinations of the features with different architecture with my network.

2. Classification
   (a) (b)
   as in Jupyter notebook report and csv files

   (c)
   as in Jupyter notebook report

Other Issues:

1. noticed that the NN is sensitive to the initial value for the naive gradient method
2. to run, need to move the corresponding data and model to the directory of ipython file
3. pdf of ipython is already run with data and model for fast evaluation of TAs