# Homework 5

Your Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student ID:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**(100 points) Python practice for classification**

**Use the Loans data, and run logistic regression and SVM techniques to find the best parameters and performance**

* Use Loans\_20K.csv data by using 10-fold cross validation
* Use Loans\_200K.csv data by using 75% as training, 25% as testing
* Loan term as label

Note:

* You need to change different/multiple parameters to find the best model.
* You can find data sets from “slide & data” on blackboard system

Submission

* The ipynb and saved html files

A comparison of different parameters and metrics (accuracy, F1)