CS 180 Machine Problem 2

For this machine problem, your task is to solve a machine learning problem using a dataset of your choice and solving it using a machine learning algorithm discussed in class. You may choose a dataset that you will use for your project from UCI or Kaggle websites. Datasets could also come from a different source but you would have to cite your source. The machine learning algorithm that you will use to solve the problem can be Naive Bayes or Neural Networks. The project is to be implemented in Python and Jupyter notebook for the written report.

The **Project Proposal** should be emailed to crraquel180@gmail.com by Wednesday, May 8, 2019 for approval containing:

- Description of the problem to be solved
- Description of the dataset (include link/source)
- Machine learning algorithm to be used to solve the problem
- Members (ideally 2 per project but individual work is also allowed)

It is advisable that you submit your project proposal as soon as possible so you can already start working on it once approved. As much as possible, datasets should be different for each group. In cases where groups have the same dataset, the first group to submit their project proposal will be chosen for that dataset. If a project proposal is not approved, the group must submit another one until a suitable project is approved.

Final Project submission to be emailed by **May 17, 2019** (Friday) containing:

- Introduction to the problem / rationale / objective
- Methodology
- Data and analysis
- Conclusion
- Individual Contributions (Only for those who worked by pairs for this MP)

Submit the source code of your program and your written report (in Jupyter notebook format) via email. Please e-mail them as an attachment to crraquel180@gmail.com. Use the following e-mail subject:

Subject: CS 180 MP2 – Names of Group Members

The machine problem is due on Friday, May 17, 2019 at 11:59 PM. You are only allowed to submit once. Put appropriate and complete documentation in your code. Late work will receive a deduction of 10% per day for a maximum of 3 days. No project submission will be entertained after May 20, 2019. Non-submission would merit a zero grade for this project. No form of academic dishonesty will be tolerated.