CS 180 Machine Problem 2

This machine problem is about using neural network in solving a classification problem. You are tasked to select a dataset from UCI or Kaggle that you will use for your project. The project is to be implemented in Python and Jupyter notebook for the written report.

Project Proposal (10%) to be emailed to crraquel180@gmail.com by 20 **November** (Monday) containing:

- Description of the problem to be solved
- Description of the dataset
- Members (ideally 2 per project but individual work is also allowed)

The project idea should be finalized by 24 Nov (Wednesday) in case your initial proposal is not 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.

Project submission (80%) to be emailed by 4 **December** (Mondayday) 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 – Raquel, Carlo (sample only, change this to your name/s)

The machine problem is due on Monday, December 4, 2017 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 form of academic dishonesty will be tolerated.

Project Presentation (10%) in class on **December 6 and 8** (10 mins per group).