CSC310/392 – Midterm Proposal – Spring '18

For the midterm you can propose one to three projects:
1. **Team Project**: APP - max team size 3
2. **Individual Project**: APP
3. **Individual Project**: Data Analysis and Modeling

Project 1 - Team Project: APP

Team data science app building project. Team sizes of maximum three people are allowed. Your proposal should include the following:
- The kind of app you want to build - perhaps include a mock up of the proposed GUI
- The kind of data you want to apply your app to with some basic summary statistics
  - see lecture notes
- A list of the responsibilities of each of the team members
- A list of milestones
  - you have about 2 weeks to complete this project
- The basic technology you want to use for your project

Project 2 - Individual Project: APP

Data science app building project. Your proposal should include the following:
- The kind of app you want to build - perhaps include a mock up of the proposed GUI
- The kind of data you want to apply your app to with some basic summary statistics
  - see lecture notes
- A list of milestones
  - you have about 2 weeks to complete this project
- The basic technology you want to use for your project

Project 3 - Individual Project: Data Analysis and Modeling

Individual data analysis project. Your proposal should include the following:
- The data set name and some basic characteristics of the data set
  - how many rows, how many columns, is there a target label, are the variables mostly numeric or categorical – use the *describe* function
  - Basic summary statistics in the form of histograms and bargraphs
- An outline of the proposed analysis.
  - What question(s) are you trying to answer with your analysis.
  - Are you going to build models of the data, if so what kind?
  - What kind of results do you expect from the analysis.
- You have to pick a data set different from the any of the previous exercises.

Deliverables for Proposal

Your proposal should be a document or Jupyter Notebook of roughly 2-3 pages covering the bullet points of your chosen project style. Proposals are due in Sakai on Friday 3/9.