Homework #1: Exploring Data through Visualization (100 points)

In this homework, your task is to use Python's matplotlib module to *visualize* and *explore* the provided "*Census Income*" data set and *identify* **at least three** *interesting* **trends** within it. Specifically, you must submit the following **two** items:

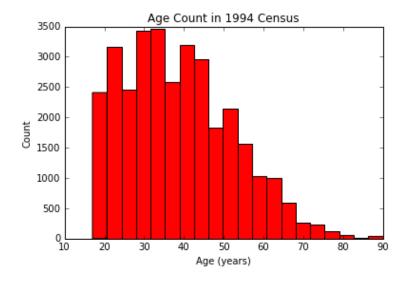
- 1. A plain-English document (with figures) explaining the 3 discovered trends. E.g.,
 - o What trends did you look for?
 - O What trends did you find?
 - o *How* did you find them?
- 2. All Python code used to *process* the provided data and *generate* all figures.
 - o Python 2.7 is preferred
 - o Please comment your code judiciously

NOTES:

- adult.names contains information about the dataset
- adult.data contains the actual comma-separated data
- Download and install the Anaconda package for Python¹
 - Anaconda has everything you need to get started.

EXAMPLE:

- One (not so) interesting trend within this data set is the presence of the "baby boom" generation.
 - o In 1994, the "baby boom" generation (born between 1946 and 1964) would range between 30 and 48 in age.
 - A histogram of participant ages shows the presence of the "baby boom" generation.



¹ https://www.continuum.io/downloads