Select many of the visualization techniques discussed in class (bar charts, histograms, pie charts, line charts, scatterplots, heatmaps). Implement code that reads the Facebook data and generates interactive coordinated visualizations.

Required: scatterplots, line charts, histograms and heatmaps.  All visualizations should include axes, tick marks, labels, color legend, shape legend if you use it, options to change parameters, bindings to visual attributes. All interactions must include selection and probing. For each visualization describe what is going on with the data - such as what can we see or should look at at (and not something trivial like the lines are increasing). These descriptions should be done near the visualizations either as an annotation box or part of the legend or text below as a caption or any other approach.

Considered excellent work:  You may try to visualize the wine data, simply to show you can read it or to even show you can interact with it with the various visualizations (or a subset). It's clear that the data may not work with all visualizations but it would be neat if it did.  This tests your environment.

Considered pushing the boundary: You may add more complex visualizations. You may add other interactions. You may add buttons or tabs that provide additional visualizations. etc...

**Submissions - 2 items**

**The web page** must be made available on your personal UMass web page http://edlab-www.cs.umass.edu/~username

**A single ZIP file**that contains 1) your PDF writeup and includes any descriptive text you feel is necessary or explains what you've done along with your analysis, 2) a folder containing your cleaned data set, and 3) a folder containing all of your code.

The Linux EdLab machines are called elnux1.cs.umass.edu,

elnux2.cs.umass.edu,

elnux3.cs.umass.edu,

elnux4.cs.umass.edu,

elnux7.cs.umass.edu

username : aratrikasark

password : 60219900Bgh#