Homework 3: Creating Enticing Notebooks

This homework is intended to help you think of iPython as an environment for exploration.

The assignment is open-ended. You will create a notebook that is a guided, interactive exploration of the pronto data. By guided, we mean that you should make use of markdown cells to provide background, context, and suggestions. By interactive, we expect you to use the `interact` function. You may use any subset of the Pronto data or data of your choosing. We also want you to think about how the notebook commands, magic commands, shell commands, and other material discussed in today's lecture (1/20/2016) helped you to develop the notebook.

Homework will be graded using the following rubric:
- Clear statement of the problem being investigated. (1 pt)
- At least two questions that are to be investigated. Questions should be clearly stated and be consistent with the problem being investigated. (1 pt)
- At least one interactive plot for each question, with at least two sliders, check-boxes, or other suitable widgets for each plot. (1 pt/plot).
- One paragraph (a separate section of your notebook) discussing how you took advantage of the magic commands, shell commands, help functionality, keyboard shortcuts, and other IPython features discussed in lecture. (1 pt)