

Day 12: Baby Names and Plotting

Raymond Yee

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Goals Today

- ▶ Get an overview on plotting options
- ▶ Look at Baby Names

Overview of Plotting Options

Matplotlib (mpl) is fundamental: matplotlib: python plotting: Matplotlib 1.3.1 documentation. We're going to be using it throughout the course. I myself am not an expert in mpl – so we're on a learning curve together.

Assignment for today is to have read Chapter 8 of PfDA and make sure you can run nbviewer.ipython.org/github/rdhyee/working-open-data-2014/blob/master/notebooks/Day_11_B_Setting_Up_for_PfDA.ipynb.

There's a lot to mpl – here's what I think are key things to learn:

- ▶ There are many backends for running mpl – we will focus on how to get plots in the IPython Notebook.
- ▶ Read the Matplotlib 1.3.1 documentation, study examples in mpl gallery
- ▶ Note some fundamental conceptual aspects to mpl (as I outline in [Day_12_A_Matplotlib_Intro.ipynb](#) and try to make basic plots on your own (line plots, scatter plots, bar plots).

Upcoming workshops at the D-Lab

- ▶ Tomorrow: Getting Things Done with Pandas! “Getting Things Done with Pandas” (Feb 28, 2014 4-6pm)
- ▶ You can sign up for a short class co-taught by Dav Clark and Raymond Yee (March 5): Javascript Visualization | D-Lab. We'll cover some of the same material in this class, but Dav is a great teacher.

In Class Activity / Assignment

Day_12_B_Baby_Names_Starter.ipynb#Names-that-are-both-M-and-F

Assignments / Homework