CMPM 290A F2017
Visualizing Complex Systems

Project 1 – Quantified Self

This project gives you the opportunity to think creatively about how to collect and represent a simple dataset. For the Part 1 of the project, you will sketch interesting visual representations of the data; for Part 2, you will translate your sketches into code and add interactivity.

Part 1

1. Collect a personal dataset based on your experiences – Present dataset in class 10/10

   Each day, for at least one week, keep track of some aspect of your personal experience. Collect at least 50 separate data points (but feel welcome to collect many more).

   Some ideas:
   - Make a note of every time that a song pops into your head and what kind of a song it is
   - Measure the volume in every enclosed space you enter
   - When you are about to meet someone, make a note of how interesting you expect the integration to be, and then also keep track of how interesting it actually turns out to be

2. Sketch a visual representation of your data - Sketches due 10/10

   a. Using pens, colored pencils, markers, colored tape, photos, etc., sketch out your data points in whatever way you think accentuates the most interesting parts of the data. See [http://www.dear-data.com/theproject] for some examples.

   b. Repeat 2a, creating a second sketch, but using a completely different visual representation.

Part 2 **– Complete project w/working code due 10/17**

3. Translate your visual representation to code

   Choose one of your sketches and port it to a web application using Javascript and the D3.js library.

4. Add simple interactions to your application

   Augment your web application by making it so that a user can interact with it to find out additional information about the data.