257 / 757 **Programming in the Arts with Processing** **Project 1** **Weight:** **1 Letter Grade**	**Start:** **Due:** **Goal:**	**Soon** **Tuesday 5.13.14 or sooner** **Animate Data You Find** **Interesting in a Visualization**

Assignment:
Find a set of data that you find interesting. The size of the data must be "reasonable" where reasonable is more than a few items. For example:

Reasonable	Not Reasonable
A season's worth of temperature data	A month's worth of temperature data
The prices of all items on a menu in a restaurant	The prices of the desserts
The average annual carbon emissions of all of the countries in the world	The average annual carbon emission of the North American countries

Animate the data in a way that makes a visually impressive presentation. The animation can be controlled in any fashion you choose. Some of the animation possibilities include but are not limited to:

- time based changes
- frame count based changes
- mouse position
- mouse movement
- mouse dragging
- mouse button presses
- key presses

Data can be stored in arrays as you see fit. Arrays can be initialized with the data by initializer lists or by file reading.

Remember that your coding background will be more limited than the programmers that coded the demonstrations you will see in class and find on the web. Keep your goals reasonable and manageable. Feel free to discuss your ideas with Nathan and/or Jim.

Handin
Put your entire project folder in the handin folder marked project1 whether it Jim can run it or not.   **If it runs on Open Processing, post it there.**

If you use a library other than the distributed ones, you must demo your project for Jim. This can be done during the second hour of class or during finals – details on demos during finals later in the term.