

Data

Where did it come from:

The data that we got for this project came from the National Hurricane Center webpage. The webpage provided a set of data for both the Atlantic and the Northeast and North Central Pacific oceans. The data for the Atlantic Ocean ranged from 1851 to 2014. The data for the Northeast and North Central Pacific was from 1949 to 2014. In this project we ended up using the most recent data which is from 2004 to 2014.

Link to Atlantic Hurricane database 1851 -2014: <http://www.nhc.noaa.gov/data/hurdat/hurdat2-1851-2014-060415.txt>

Link to Northeast and North Central Pacific Hurricane database 1949-2014:
<http://www.nhc.noaa.gov/data/hurdat/hurdat2-nencpac-1949-2014-092515.txt>

What did we do to the data:

The data for this project was read through python to adjust to make it easier to work with. I ended up having the name of the Hurricanes being listed in each row instead of once. I also parse the date to separate it by year, month, and day. I changed how the latitude and longitude were display in the file to show negative coordinate for South and West. Filter out the direction symbols out of the coordinate data.

To use the data in the app we ended using d3 nest function to filter it by different keys ranging from the Year to the Hurricane ID.

Progress

Week2

During week two I started off the project by filtering the data using a python script that I created. I was able to filter both the Pacific and Atlantic Hurricane data with my script. I had to setup script help parse certain parts of the data more easily. Those parts were the field that contain the date and the coordinates.

Week3

In week 3, I worked on created the graphs that were going to be used in the project. During this week I created the line charts for the Atlantic Ocean that showed the max wind speed and the minimum pressure of a particular Hurricane.

Week4

What I did during week four was I created the bar charts and made the graphs more responsive with different screen sizes. The bar charts that I created were for the number of Hurricanes per year and the number of Hurricanes overall per month. I also added code for the graphs to resize base on the size of the screen.