

Project 2 Proposal

Global Extreme Temperatures

For Project 2, our group decided on working with datasets related to extreme temperatures across the globe from 1880-2014. We want users to be able to visualize average annual temperature changes over a hundred years for data points all across the world. The result we are hoping to display is extreme temperature fluctuations.

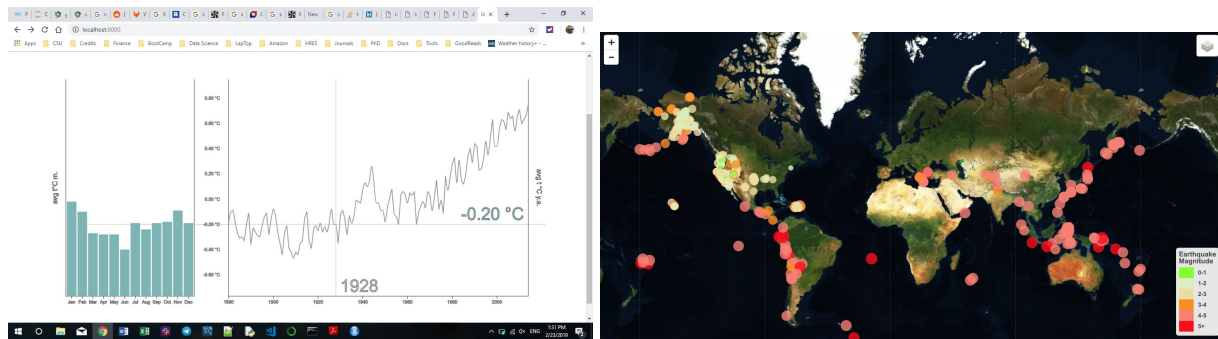
Datasets:

- <https://www.kaggle.com/berkeleyearth/climate-change-earth-surface-temperature-data>
- GlobalLandTemperaturesByCity.csv

Three Visualizations

1. Leaflet Map
2. D3.js Change in Avg. Temperature Bar Chart
3. D3.js Drag Graph (timeline 1880-2014)

D3.js and Leaflet Examples:



Tools Utilized:

- SQLite -> Flask App
- Python
- Javascript -> D3.js
- Leaflet

Final Design: Refer to screenshots, similar project design

Github Repo: <https://github.com/xsarinix/feeling-hot-hot-hot>