**Team βeta Project 2 Proposal**

**Project Title:** Earthquake Analysis

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**Topic Selection:** We were initially interested in this dataset due to the potential map visualizations possible, given that the data is about earthquakes. Data is available in geoJSON format, which will work particularly well for us to accomplish some of these visualizations. We can access the data via API calls, which is a useful way of using the data.

**Project Description/Outline:**
Analyze a dataset of earthquakes that happened around the world.

**Datasets to be Used:**
- https://earthquake.usgs.gov/earthquakes/feed/v1.0/geojson.php
- https://earthquake.usgs.gov/earthquakes/feed/v1.0/geojson_detail.php

**Github Link:**
-https://github.com/hsharma263/Project2

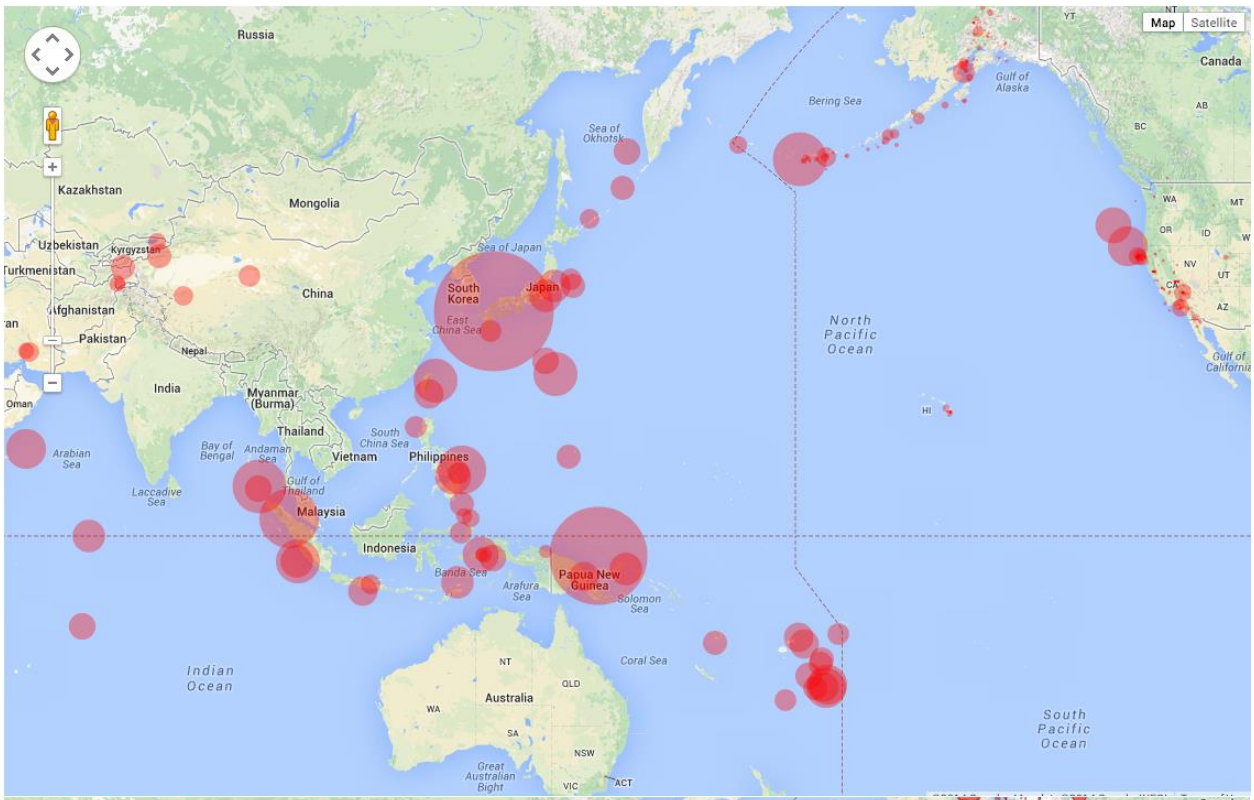
**# Technical Requirements**

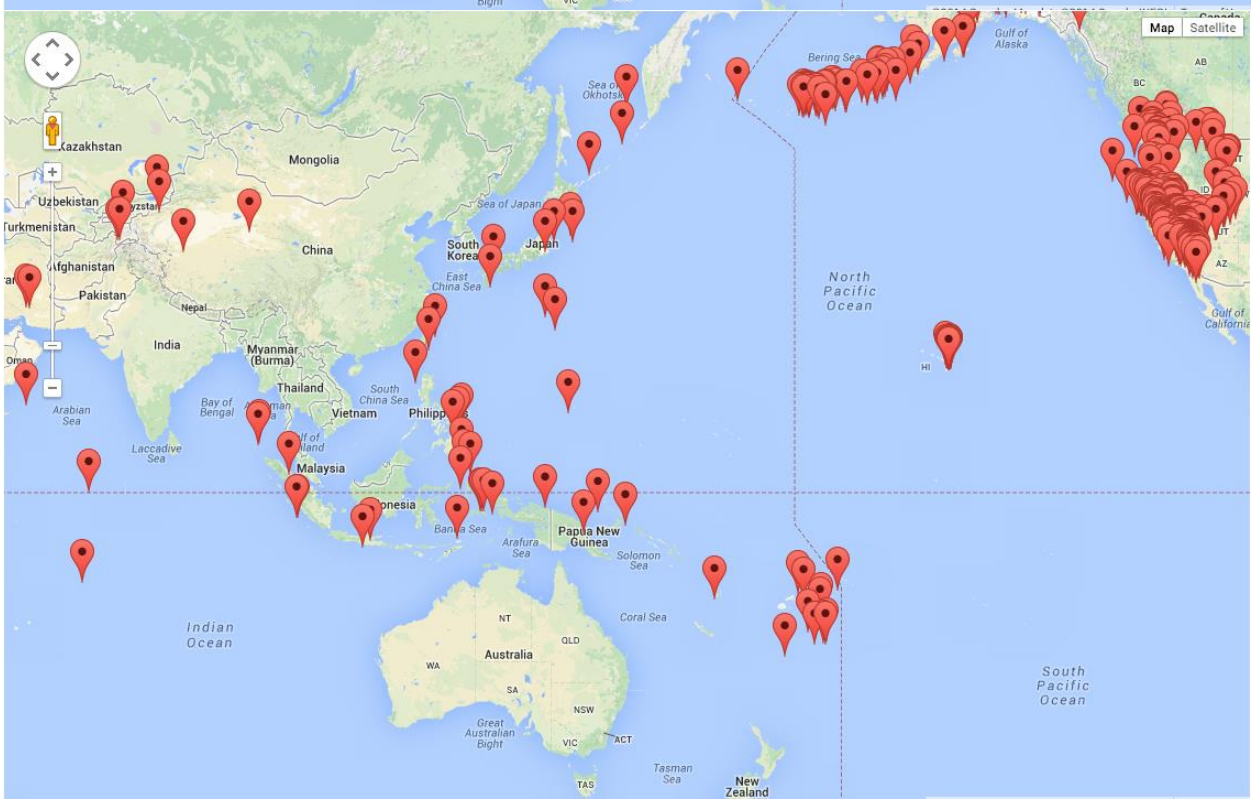
- Your focus should center around:
- Selecting a topic
- Finding a data set
- Finding inspiration
- "Sketching" your ideal visuals

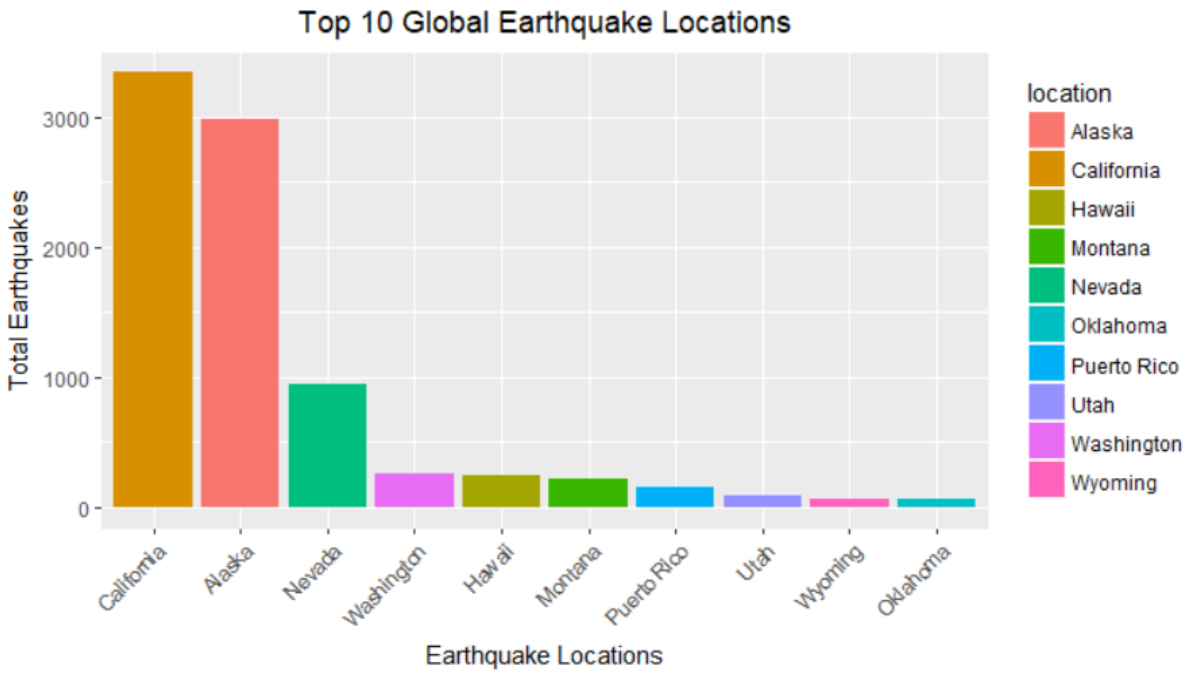
**Creating a 1-page proposal**

- Thursday (April 15th): You will need to create a 1-page proposal that includes:
- A brief articulation of your chosen topic and rationale
- A link to your data set(s) and a screenshot of the metadata if it exists.
- 3 or 4 screenshots of relevant, "inspiring" visualizations that frame your creative fodder
- A sketch of the final design
- A link to the primary GitHub repository you'll be housing your work in

**3 Inspirational Screenshots:**


Map
Satellite
Russia
Canada
Kazakhstan
Mongolia
Uzbekistan
Kyrgyzstan
China
South Korea
Japan
Pakistan
Nepal
India
Myanmar (Burma)
Thailand
Vietnam
Philippines
Malaysia
Indonesia
Papua New Guinea
Australia
Bering Sea
Gulf of Alaska
Sea of Okhotsk
Sea of Japan
East China Sea
South China Sea
North Pacific Ocean
South Pacific Ocean
Indian Ocean
Arabian Sea
Bay of Bengal
Andaman Sea
Laccadive Sea
Gulf of Thailand
Banda Sea
Arafura Sea
Solomon Sea
Coral Sea
Great Australian Bight
Gulf of California


Map
Satellite
Mongolia
China
South Korea
Japan
Pakistan
India
Myanmar (Burma)
Thailand
Vietnam
Malaysia
Papua New Guinea
Australia
New Zealand
Bering Sea
Gulf of Alaska
Sea of Japan
East China Sea
South China Sea
North Pacific Ocean
South Pacific Ocean
Indian Ocean
Arabian Sea
Bay of Bengal
Laccadive Sea
Banda Sea
Arafura Sea
Solomon Sea
Coral Sea
Great Australian Bight
Tasman Sea
Gulf of California




**Sketch of Final Design:**

- Comparison of earthquake magnitudes across the globe.
- There will be a nav bar for user to interact and view map layers.
- Tabs to for the user to view different filters for viewing the data.
- Allows user input and based on user selection, to view data based on timeframe.
- A page to display HTML data.