**Project 2- Global Natural Hazards**

**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

**Topic Rationale:**

Global map displaying 3 types of natural disasters (volcanoes, earthquakes, and tsunamis). The dashboard will display this data in multiple views such as heat map, street map, and dark map. The 3 views on the dashboard will entail a) map overlay of multiple natural disaster events, b) page of educational videos and animations about the three types of natural disasters, c) a summary homepage with descriptive information regarding each of the three natural disasters.

**The data sources are:**

US Geological Survey (USGS)- earthquake data

National Oceanic and Atmospheric Agency (NOAA)- tsunami and volcanoes

World Bank- poverty data

All data sources will be pulled from the various websites. Poverty, volcano, and tsunami data will be appended to a Postgres database. Earthquake data will be populated directly from the USGS website using an API key. The dashboard will utilize the database and USGS website information when populating the various tables and maps.

**Earthquake data-** <https://earthquake.usgs.gov/earthquakes/feed/v1.0/summary/all_month.geojson>

A close up of a newspaper

Description automatically generated

**Volcano data-** <https://www.ngdc.noaa.gov/nndc/servlet/ShowDatasets?dataset=102557&search_look=50&display_look=50>

A screenshot of text

Description automatically generated

**Tsunami data-**

<https://www.ngdc.noaa.gov/hazard/tsu_db.shtml>

A screenshot of a cell phone

Description automatically generated

**GitHub- Project 2-**

<https://github.com/wilmorecn/Project_2-Data_Visualization.git>

**“Inspiring” Visualizations:**

A picture containing text, map, sky, flying

Description automatically generated

A close up of a map

Description automatically generated