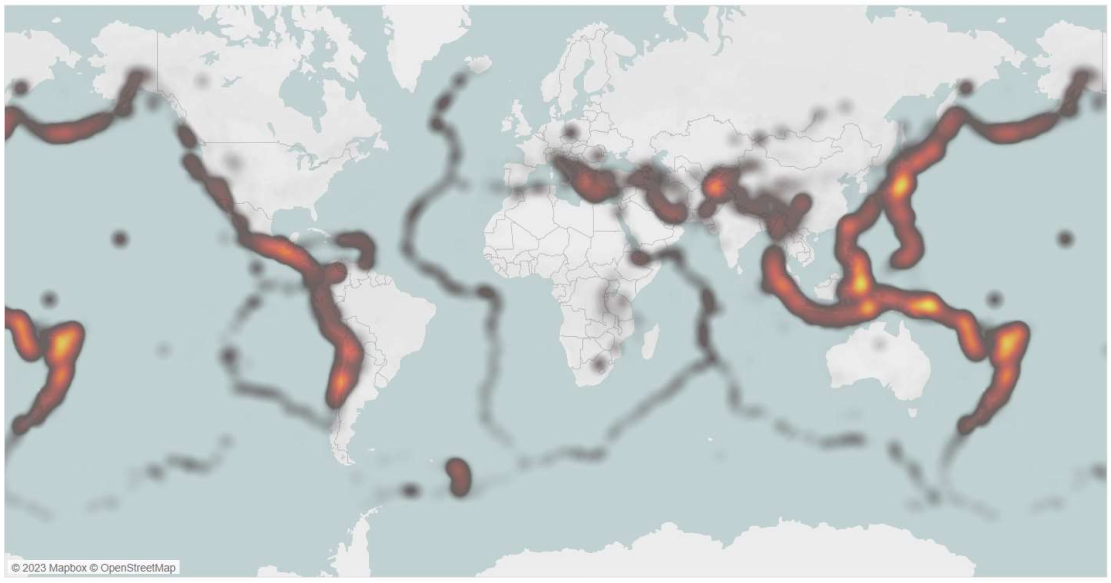
Data Story telling Assignment 4-Kyle Kao

1. Provide a written description in the discussion post. Explain why the dataset was selected, how each of the maps were created, and what questions the maps are answering. Include 3 different maps: a Symbol map, Filled Map and a Density Map.
2. Use annotations (commentary) on each map to describe how to interpret your visualizations and tell your story.
3. Explain the process you took to develop the maps and what questions they were designed to answer.
4. Provide a written description in the discussion post. Explain why the dataset was selected, how each of the maps were created, and what questions the maps are answering.

DENSITY MAP



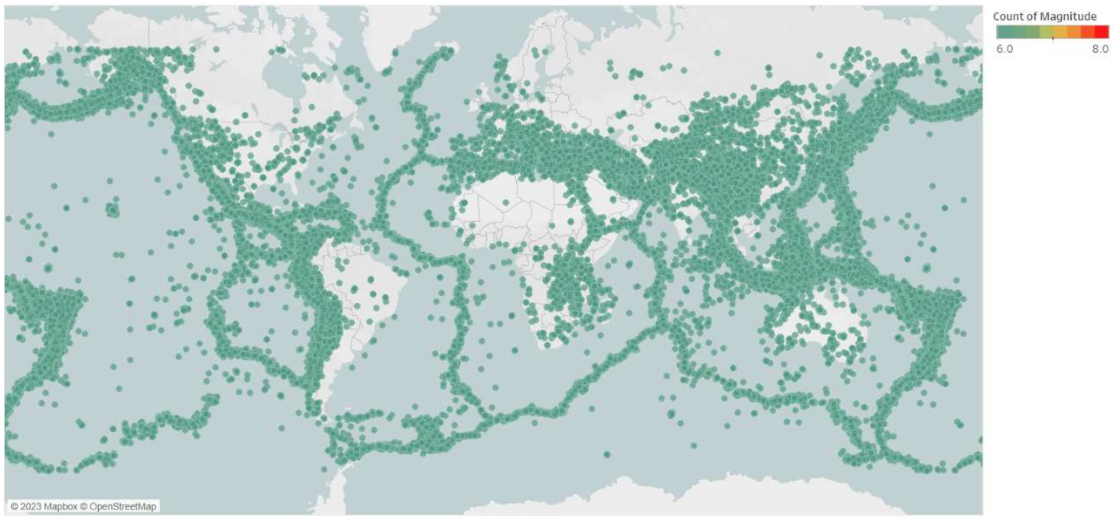
Map based on Longitude and Latitude. Color shows Magnitude. The marks are labeled by Place and Magnitude. Details are shown for Id and Earthquake Date Time. The data is filtered on Magnitude, Region of the World and Latitude. The Magnitude filter ranges from 4 to 9.1. The Region of the World filter keeps APAC, EMEA and North & South America. The Latitude filter ranges from -65 to 65. The view is filtered on Earthquake Date Time, which ranges from 11/27/1981 to 2/26/2014.

This density map shows where the earthquake taken place, the brighter in the map, the more and bigger the earthquakes taken place.

To set up this map, start from longitude and latitude. Longitude in Columns, Latitude in Rows. Put Magnitude in color, Magnitude^10 in Size, Earthquake Date Time in Detail, Place in Text, and Magnitude in Text. Change Marks in Marks panel into Density and the map will show.

The reason why this dataset was selected is because is has longitude and latitude that can shown in map, also the earthquake is something that really happened in the California.

FILLED MAP

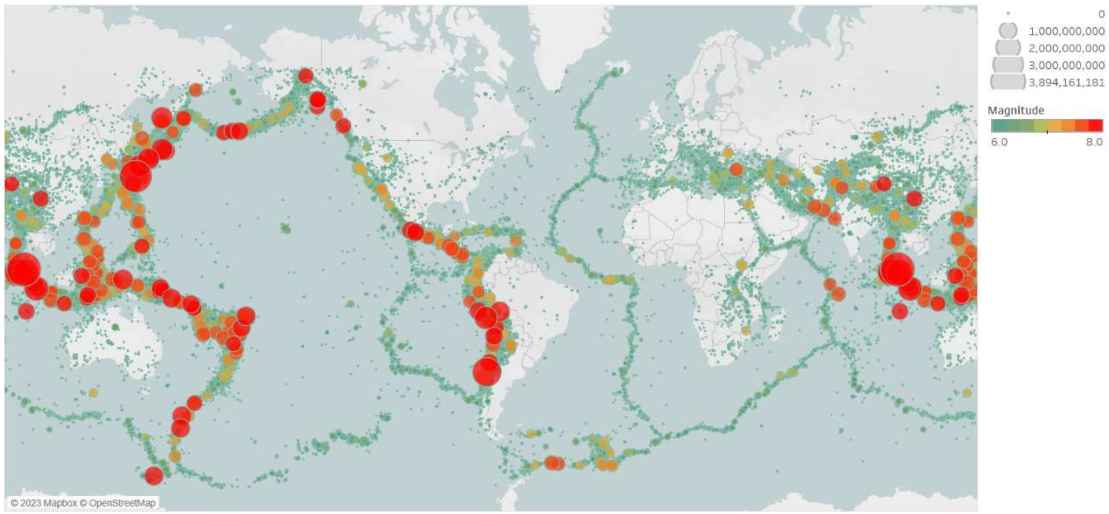


Map based on Longitude and Latitude. Color shows Count of Magnitude. The marks are labeled by Place and Magnitude. Details are shown for Id and Earthquake Date Time. The data is filtered on Magnitude, Region of the World and Latitude. The Magnitude filter ranges from 4 to 9.1. The Region of the World filter keeps APAC, EMEA and North & South America. The Latitude filter ranges from -65 to 65. The view is filtered on Earthquake Date Time, which ranges from 11/27/1981 to 2/26/2014.

In this filled map, the dots show the count of earthquakes in between 1981/11/27 to 2014/2/26, magnitude from 4.0 to 9.1 and where it happened, more dots mean more earthquakes were taken place.

To set up this map, start from longitude and latitude. Longitude in Columns, Latitude in Rows. Put Magnitude in color, Magnitude^10 in Size, Earthquake Date Time in Detail, Place in Text, and Magnitude in Text. Change Magnitude in to measure(count) Put all the marks in automatically and the map will show.

SYMBOL MAP



Map based on Longitude and Latitude. Color shows Magnitude. Size shows Magnitude^10. The marks are labeled by Place and Magnitude. Details are shown for Id and Earthquake Date Time. The data is filtered on Magnitude, Region of the World and Latitude. The Magnitude filter ranges from 4 to 9.1. The Region of the World filter keeps APAC, EMEA and North & South America. The Latitude filter ranges from -65 to 65. The view is filtered on Earthquake Date Time, which ranges from 11/27/1981 to 2/26/2014.

In this symbol map shows where the earthquakes of magnitude 4.0 or greater have been recorded since 1973. Color shows magnitude. Size shows Magnitude^10. The marks are labeled by place and magnitude.

To set up this map, start from longitude and latitude. Longitude in Columns, Latitude in Rows. Put Magnitude in color, Magnitude^10 in Size, Earthquake Date Time in Detail, Place in Text, and Magnitude in Text. Put all the marks in automatically and the map will show.