

Project 2 Proposal

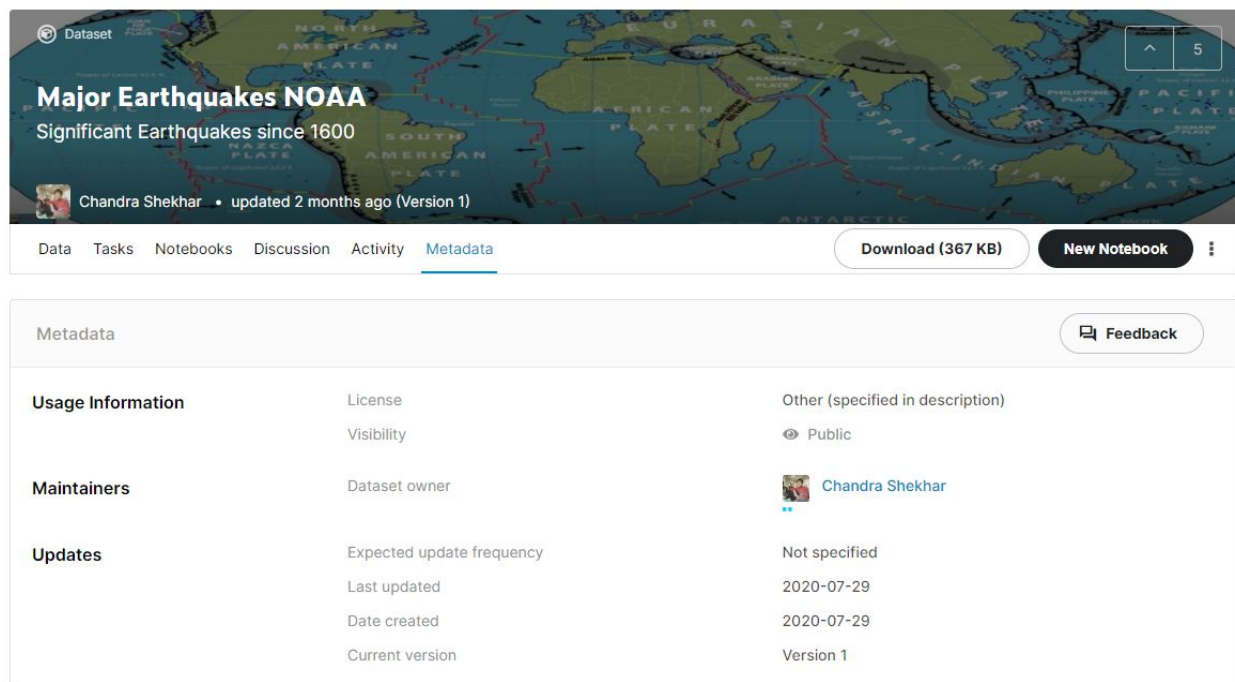
Group 3: Melodie Vines, Tiffany Teasley, Stefanee Richardson, and Mabel Duran-Sanchez

Topic: Earthquake data.

We found a large dataset of earthquake data dating back to the 1600s which has information including date, location, magnitude, focal depth, among other interesting data. Given that there was an earthquake in North Carolina in the month of August, we thought it would be interesting to explore the frequency, magnitude, and locations of these natural events.

Dataset:

<https://www.kaggle.com/shekpaul/major-earthquakes-noaa?select=NOAA+Earthquake+since+1600.csv>



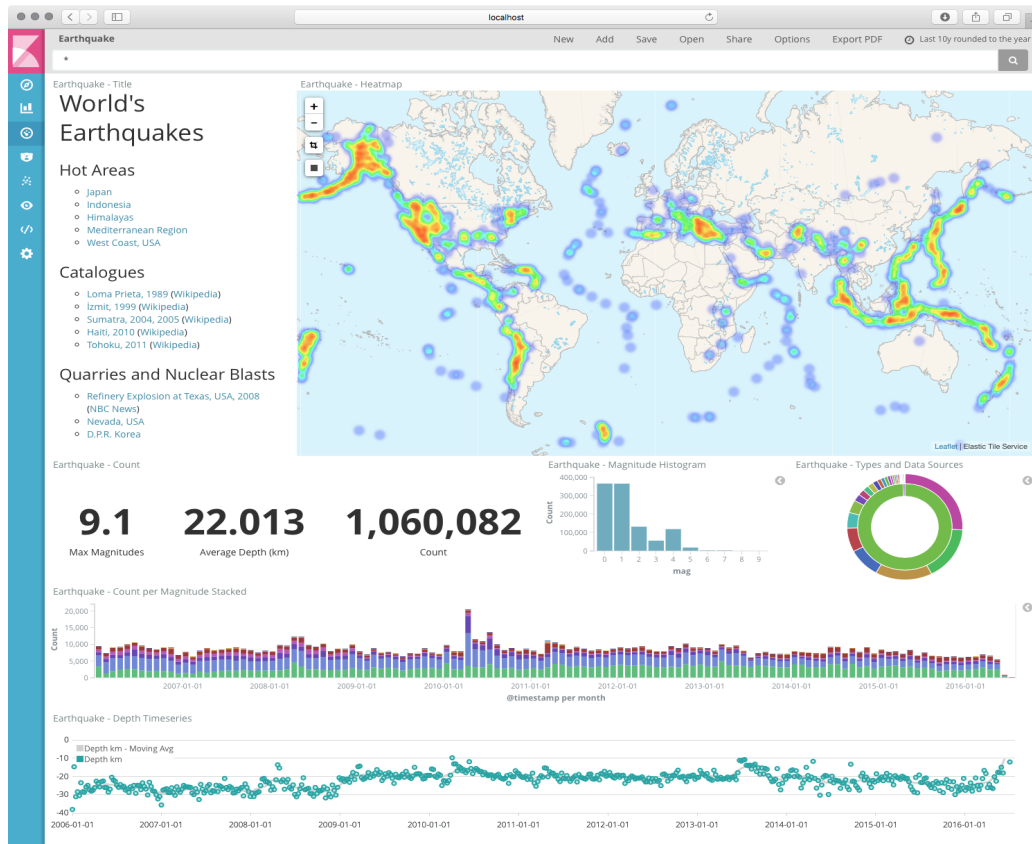
The screenshot shows the Kaggle dataset page for 'Major Earthquakes NOAA'. The header includes the dataset title, a description 'Significant Earthquakes since 1600', the creator's name 'Chandra Shekhar', and the update status 'updated 2 months ago (Version 1)'. Below the header is a navigation bar with tabs for 'Data', 'Tasks', 'Notebooks', 'Discussion', 'Activity', and 'Metadata'. The 'Metadata' tab is selected, showing a table of metadata information. A 'Download (367 KB)' button and a 'New Notebook' button are also visible.

Metadata		
Usage Information	License	Other (specified in description)
	Visibility	Public
Maintainers	Dataset owner	Chandra Shekhar
	Expected update frequency	Not specified
Updates	Last updated	2020-07-29
	Date created	2020-07-29
	Current version	Version 1

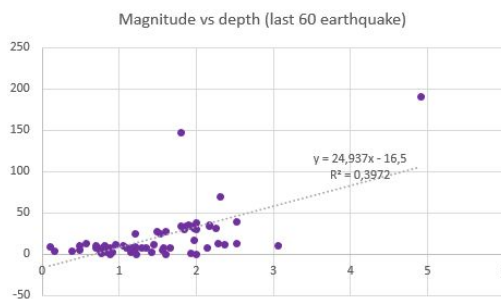
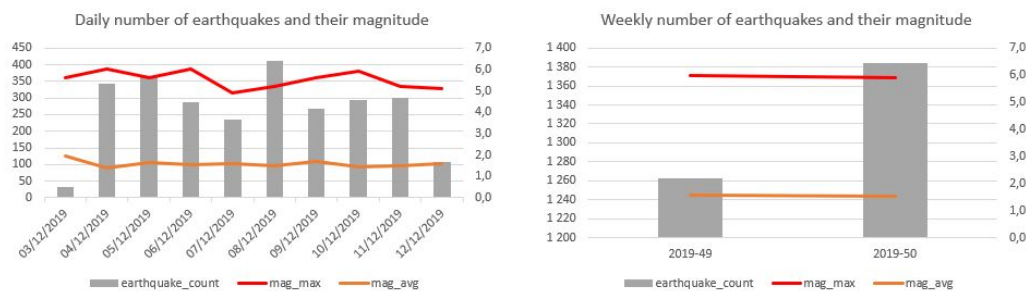
GitHub Repository:

<https://github.com/melodie1920/Project2.git>

Inspiration:



Quakes around the earth

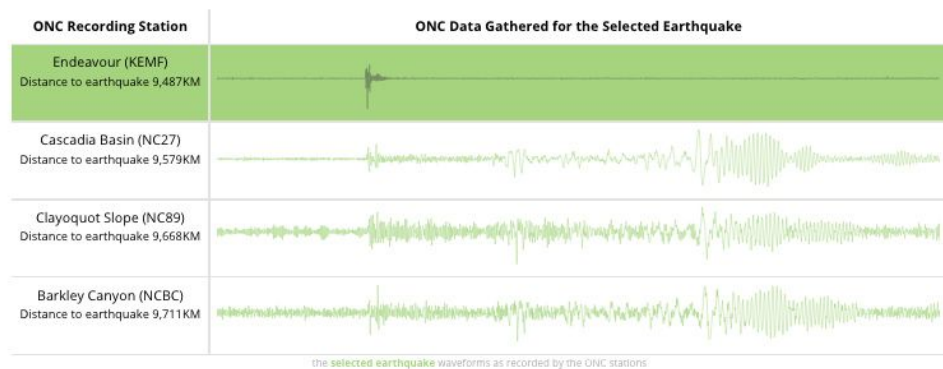
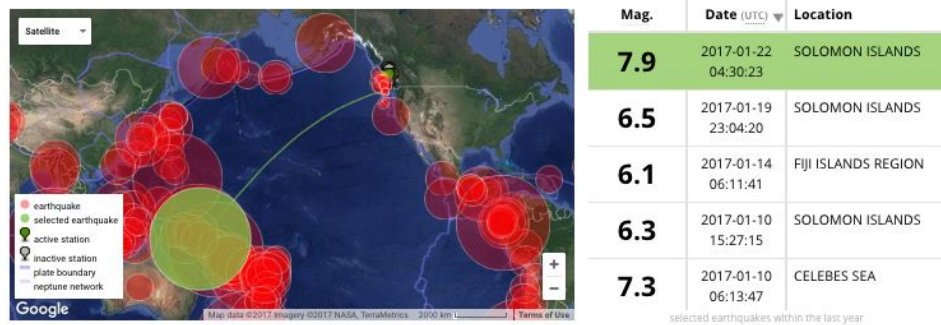


Biggest earthquakes

When	Magnitude	Where
4/12/19 20:10	6,0	63km NNE of Isangel, Vanuatu
6/12/19 13:04	6,0	164km WNW of Hihifo, Tonga
10/12/19 17:05	5,9	Izu Islands, Japan region
10/12/19 17:05	5,9	Izu Islands, Japan region
6/12/19 15:42	5,7	173km NW of Hihifo, Tonga
10/12/19 8:40	5,6	100km NE of Tadine, New Caledonia
3/12/19 22:23	5,6	70km S of Kavieng, Papua New Guinea

Earthquake Data Dashboard

The interactive dashboard below lets you explore recent earthquakes around Vancouver Island and around the world (see below for additional information and instructions).



Sketch of Final Design:

