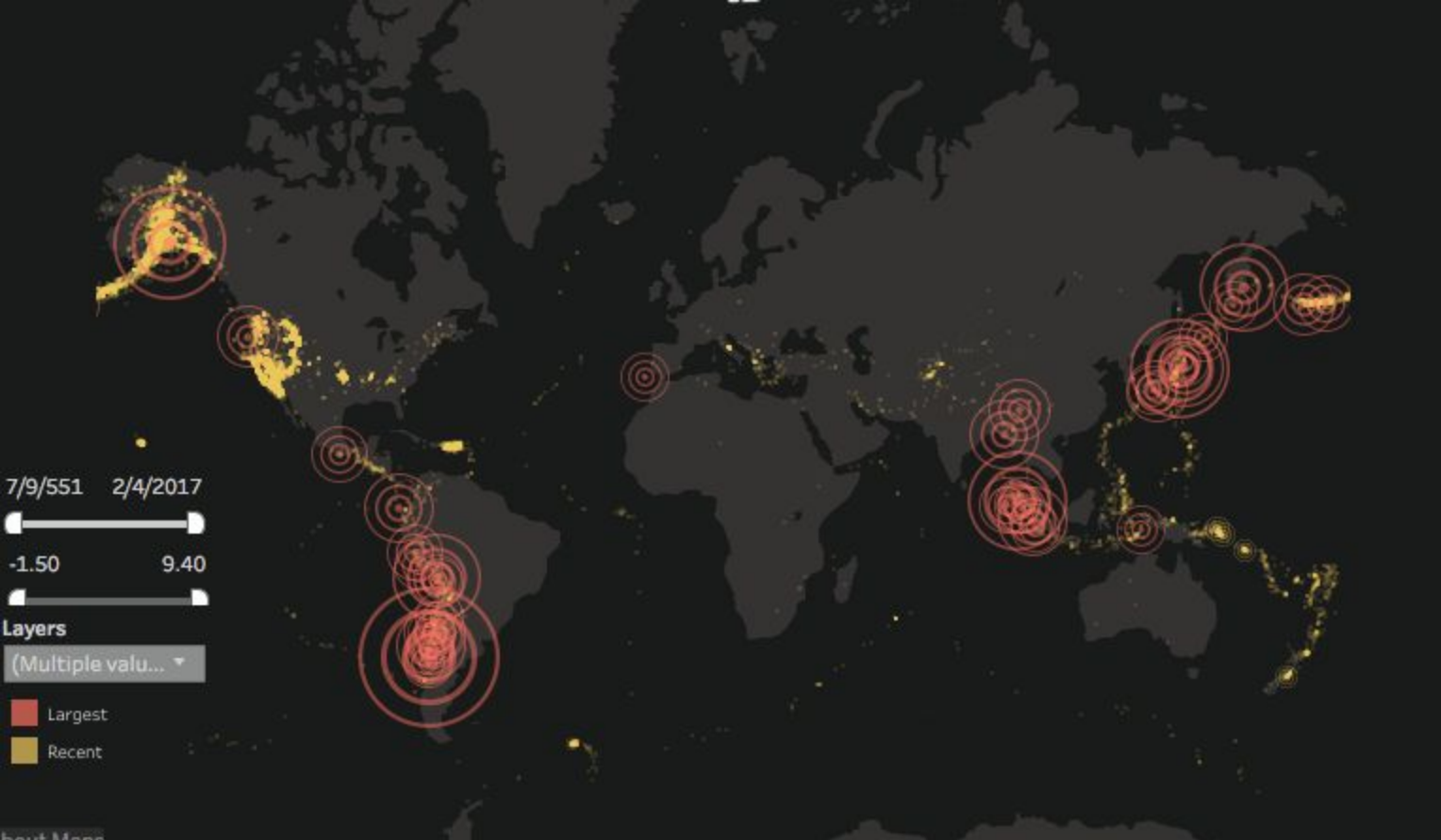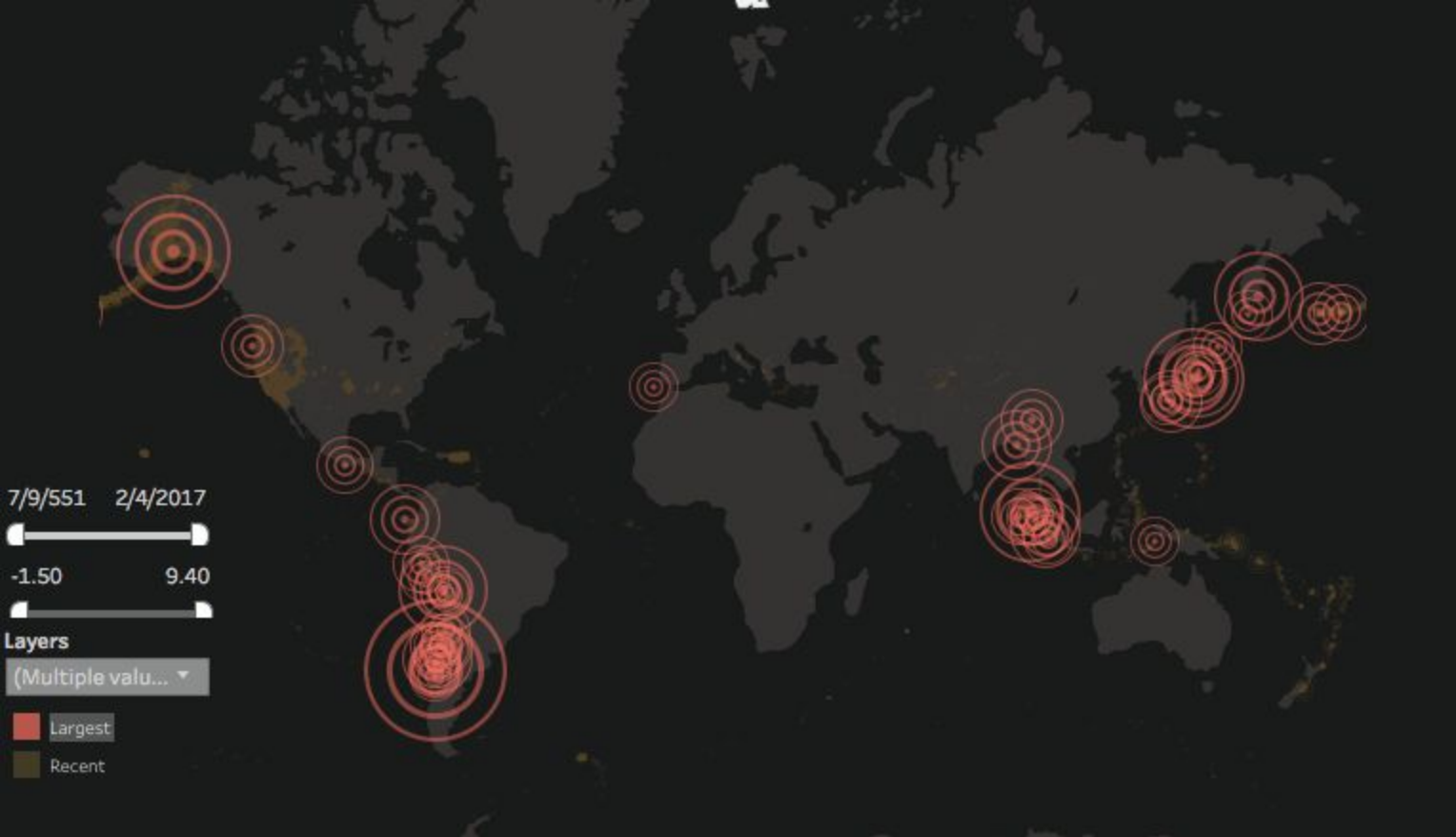# DVIA- Assignment 3

Mapping space

Concept 1: Comparing Earthquakes by time, size, and relative size

A world map that has the following layers:

- **Recent** – The recent earthquakes in the original visualization. (Wikipedia)

- **Largest** – Largest recorded earthquakes. (Wikipedia)

- **Largest by Country** – Largest earthquakes experienced by each country (Note: Not all countries are included).

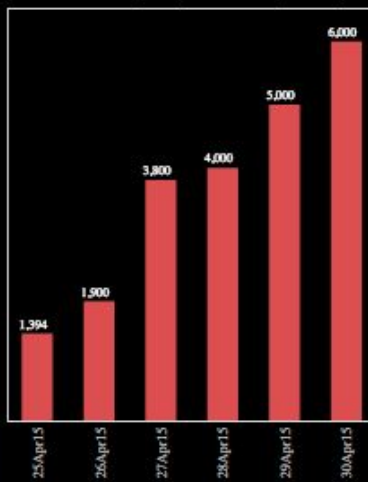- **Pre-1900 Historical** – Known earthquakes prior to 1900.

7/9/551   2/4/2017

-1.50   9.40

Layers

(Multiple valu... ▼

🟥 Largest

🟨 Recent

bout Maps

7/9/551   2/4/2017

-1.50   9.40

Layers

(Multiple valu... ▼)

🟥 Largest

🟨 Recent

Banda Sea, Indonesia (then part of the Dutch East Indies)

Date & Time:	2/1/1938 12:00:00 AM
Type:	Earthquake
Magnitude:	8.50
Relative Magnitude:	316,227,766
Layer:	Largest

7/9/551   2/4/2017

-1.50   9.40

Layers

(Multiple valu... ▼)

■ Largest

■ Recent

7/9/551   2/4/2017

-1.50   9.40

Layers

(Multiple valu... ▼

■ Largest

■ Recent

Bar height- number of fatalities/ casualties by <month>
        <year>

Colour indicates magnitude
Size indicates depth (kms)

Central
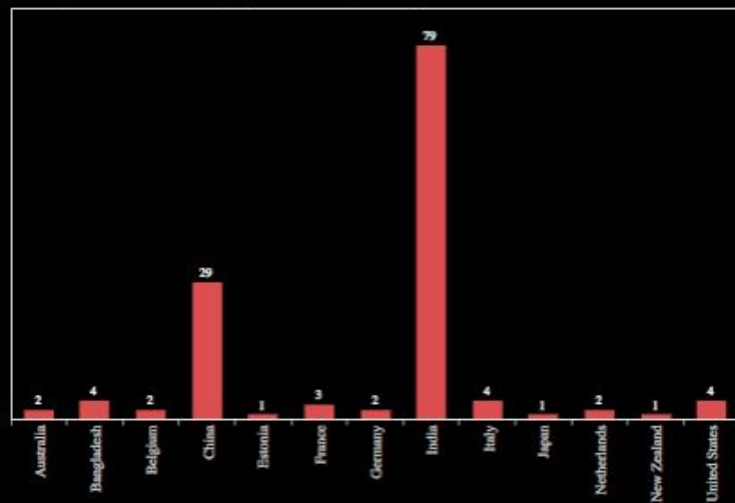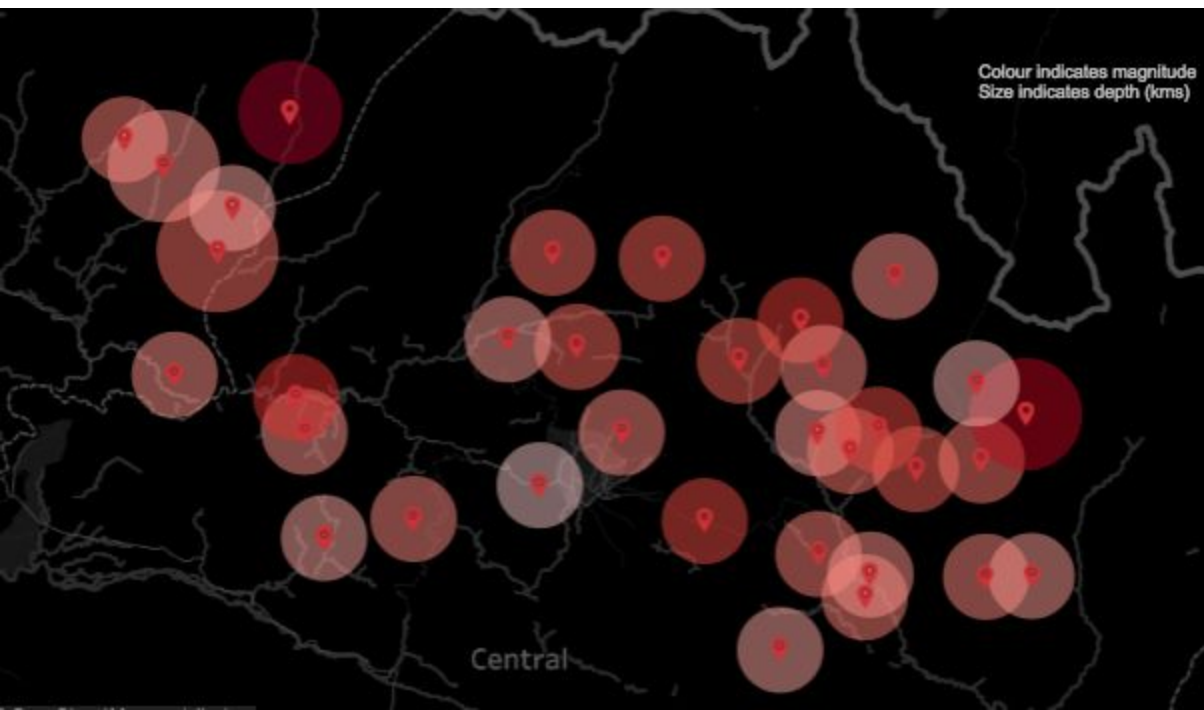
Concept 2: Magnitude, depth and Frequency of Earthquakes in the Caribbean Basin

Focusing of the Caribbean basin, display a history of earthquakes (user selected filter), in relation to where the major fault lines are

Show the varying activity by subduction/ induction zone?

Concept 3: Mapping Earthquake Vulnerability in Urban Spaces

Map a geography and color buildings by vulnerability to earthquakes (add a filter/toggle for magnitude and depth.

Portland, Oregon: The Age of a City

-1890   1950   2010+

Source: Bureau of Technology Services   © 2013 Justin Palmer

Number of Structures

1900 1915 1935 1955 1975 1995 2015