Natalie Roy
Lab 3
Part 1:

Task 1: In a word document, copy and paste the revised data from cities.csv and add a screenshot of your map presenting the cities at the correct location.

- Revised the following coordinates:
    - "San Francisco", 750000,"USA",-122,37
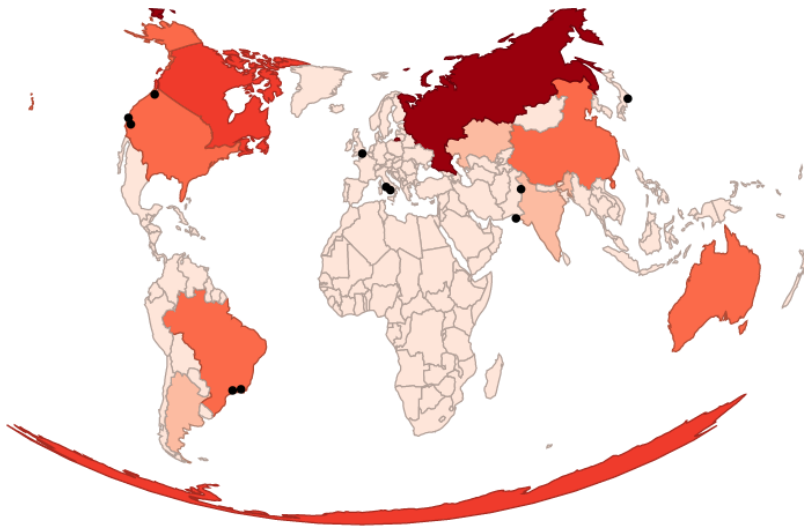   - "Fresno", 500000,"USA",-119,36

Task 2: Add three more cities (one for Seattle and two for your memorable cities in cities.csv. Load them on the map. In the same word document, add the revised data from cities.csv (now there should be 11 data entries) and a screenshot of your map.
- Full revised coordinate list:
    - "San Francisco", 750000,"USA",-122,37
    - "Fresno", 500000,"USA",-119,36
    - "Lahore",12500000,"Pakistan",74,31
    - "Karachi",13000000,"Pakistan",67,24
    - "Rome",2500000,"Italy",12,41
    - "Naples",1000000,"Italy",14,40
    - "Rio",12300000,"Brazil",-43,-22

- "Sao Paolo",12300000,"Brazil",-46,-23
- "Seattle", 733919, "USA", -122, 47
- "Tokyo", 13960000, "Japan", 139, 35
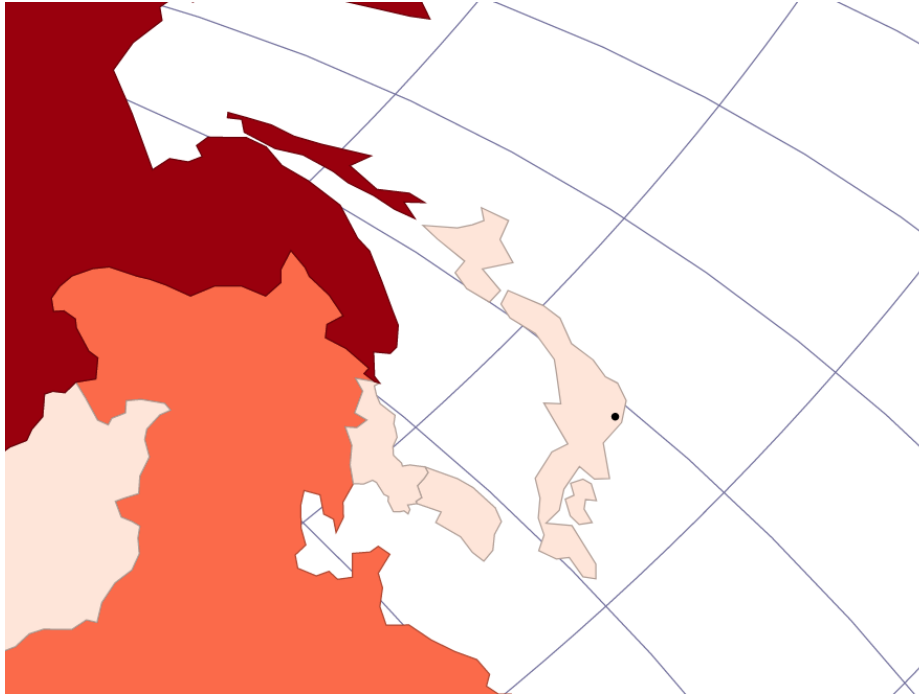- "London", 8982000, "England", 0, 51

Task 3: Look at the available projections on the site, pick one projection, and apply it to your map. In the same word document, add a screenshot of your map and under the map, please briefly state why you choose the projection and explain the projection.

I chose the GeoHill projection, which is described on the d3 website as a "Hill eucyclic projection is pseudoconic and equal-area." I felt that having a projection that is equal area was important for this map, as it helps display visually the information that is being mapped through the colors – what countries are biggest.

Task 4: In the same word document, add a screenshot of your map, displaying a selected country at the center of the map using panning and zooming mouse event. Briefly state which county you chose under the map. The map should include graticules.

I decided to choose Japan as the country to zoom in on in my map. I have not been there, but my dad has worked overseas there every couple of years – I have not been there yet, but I hope to go next time he visits for work!!