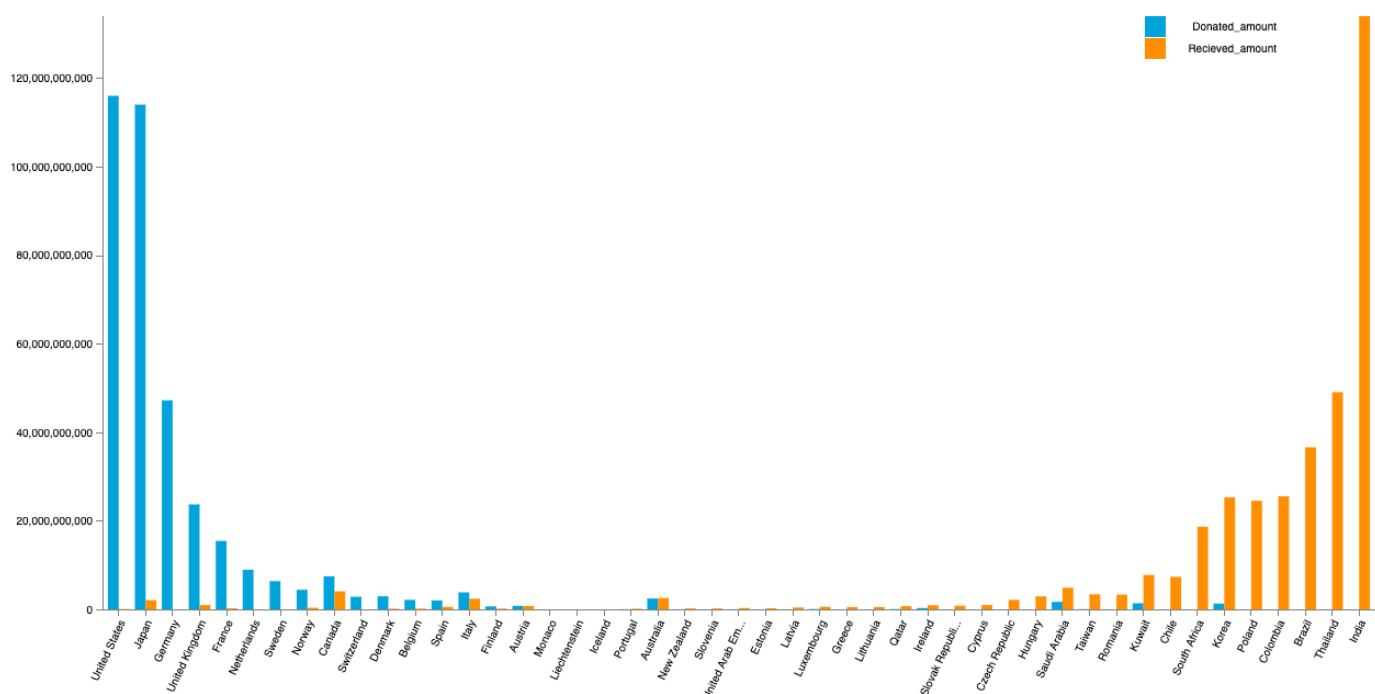


Exercise: Graph Design (Geo)**Visualization 1:**

How do the countries compare in terms of how much they receive and donate from other countries? Are there countries that donate much more than they receive or receive much more than they donate?

VISUALIZATION 1

How do the countries compare in terms of how much they receive and donate from other countries



I have chosen to use Grouped Bar Chart as with this Visualization we can clearly observe how countries compare in terms of how much they donate or receive.

I have sorted the Group Bar Chart by “Difference of Donated Amount–Received Amount “. This makes it easier to separate countries.

Observations

We can see that US donates most and India receives most

We can see Japan donates lot more than it receives

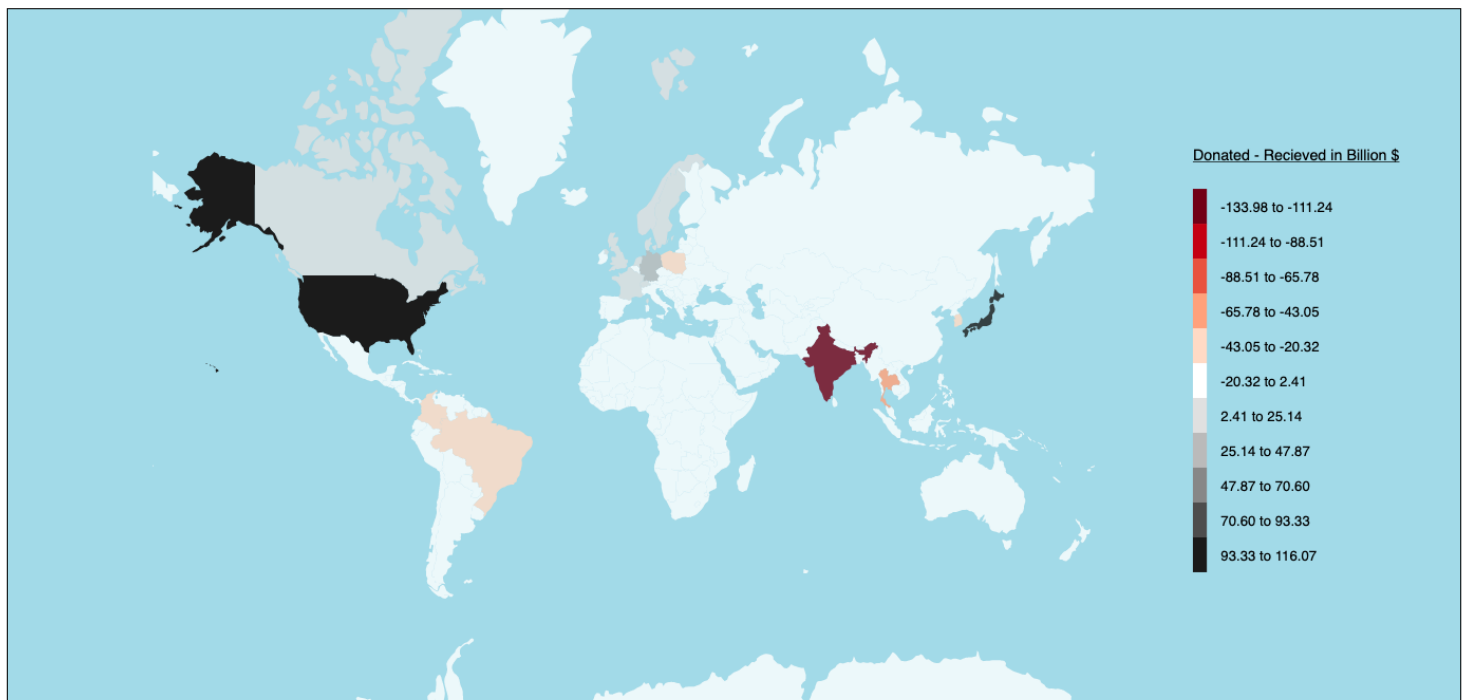
We observe that amount Australia receives and donates is comparable

Visualization 2:

Do the countries that receive or donate the most tend to cluster around specific geographical areas of the world? Are there neighbouring countries that have radically different patterns in terms of how much they receive vs. how much they donate?

VISUALIZATION 2

Top 5 most frequent purposes vs Aid the Country Get



I have chosen to use choropleth map as with visualization we can easily differentiate which countries receive more or which countries donate more.

With this we can answer all the question asked.

I have visualized “Difference of Donated Amount– Received Amount “.

I have used Diverging scale.

Observations:

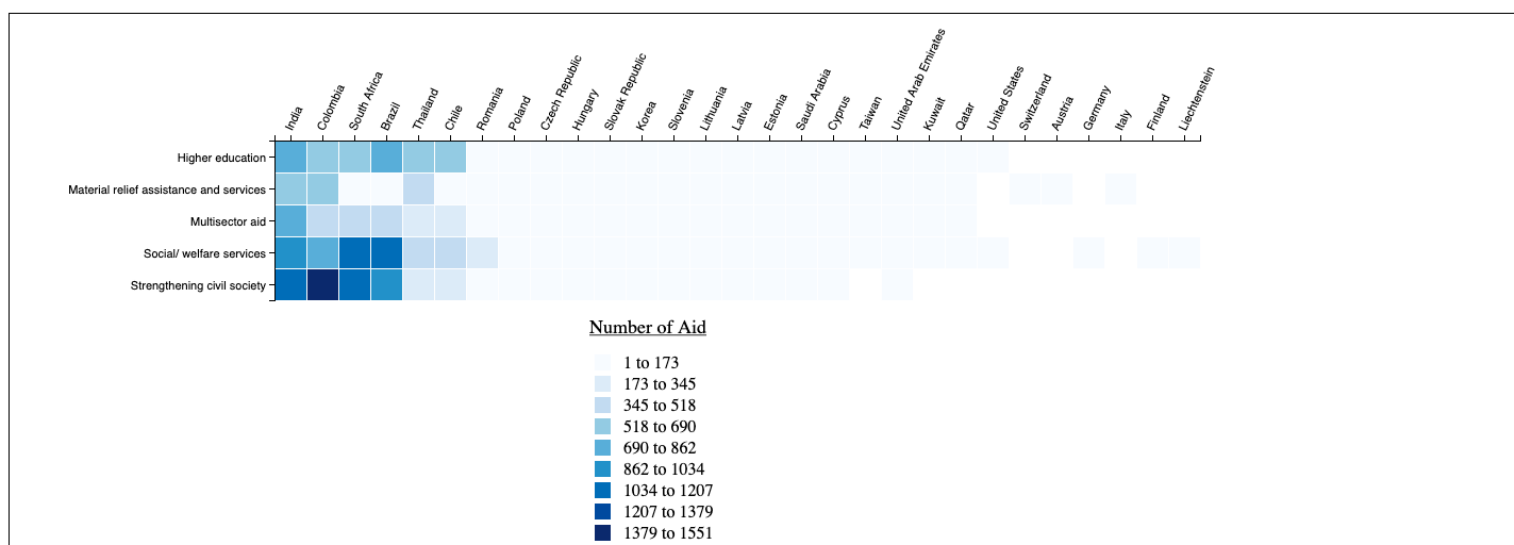
1. US donated most
2. India Received most
3. We can observe Germany donates more whereas Poland receives more (neighbouring countries) same for Japan and South Korea
4. Light blue has been used to show water in the map

Visualization 3:

Are there any major differences in how the top 5 most frequent purposes of disbursements distribute geographically in terms of countries that receive donations? Are there countries that tend to receive more of certain types of donations than others?

VISUALIZATION 3

Top 5 most frequent purposes vs Aid the Country Get



I have chosen to use heatmap to visualize top five type of donations countries receive and which countries receive more of certain type of donations.

Countries have been sorted by total of what they receive in descending order.

Observations:

1. India receive more overall
2. Colombia receives more in Strengthening Civil Society
3. South Africa and Brazil receives more in Social and welfare services