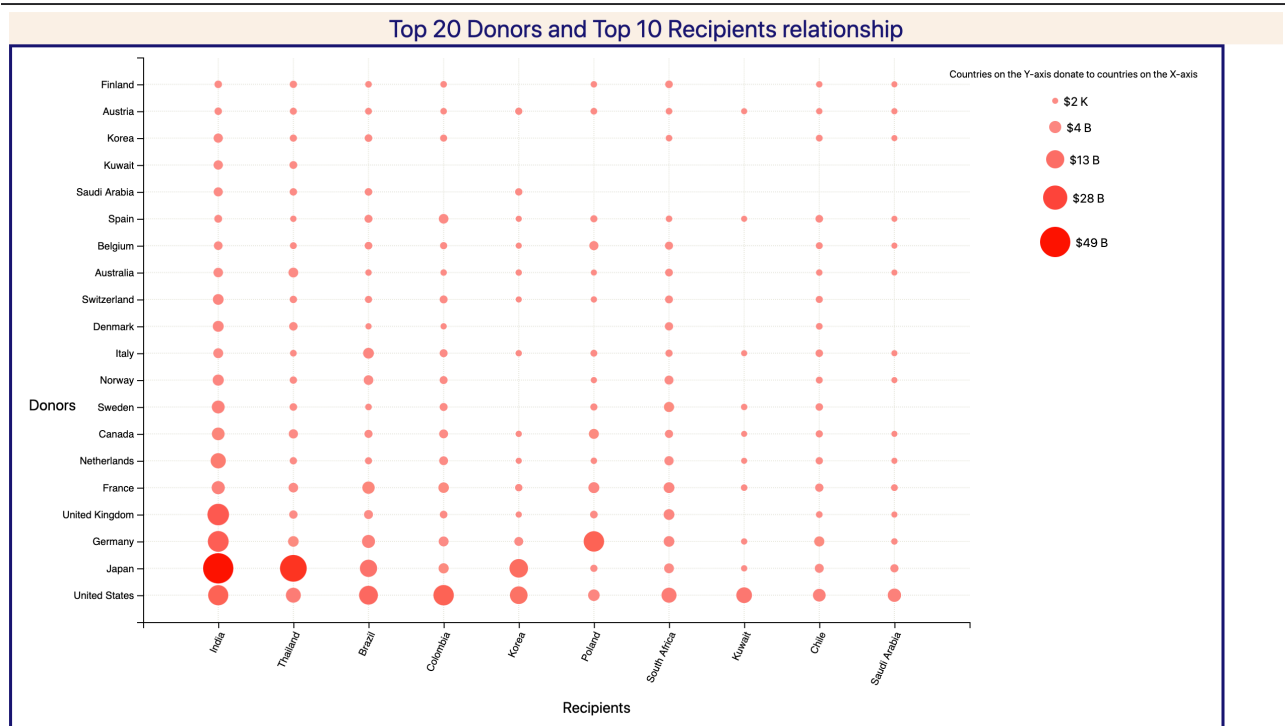


# Mini Project 3

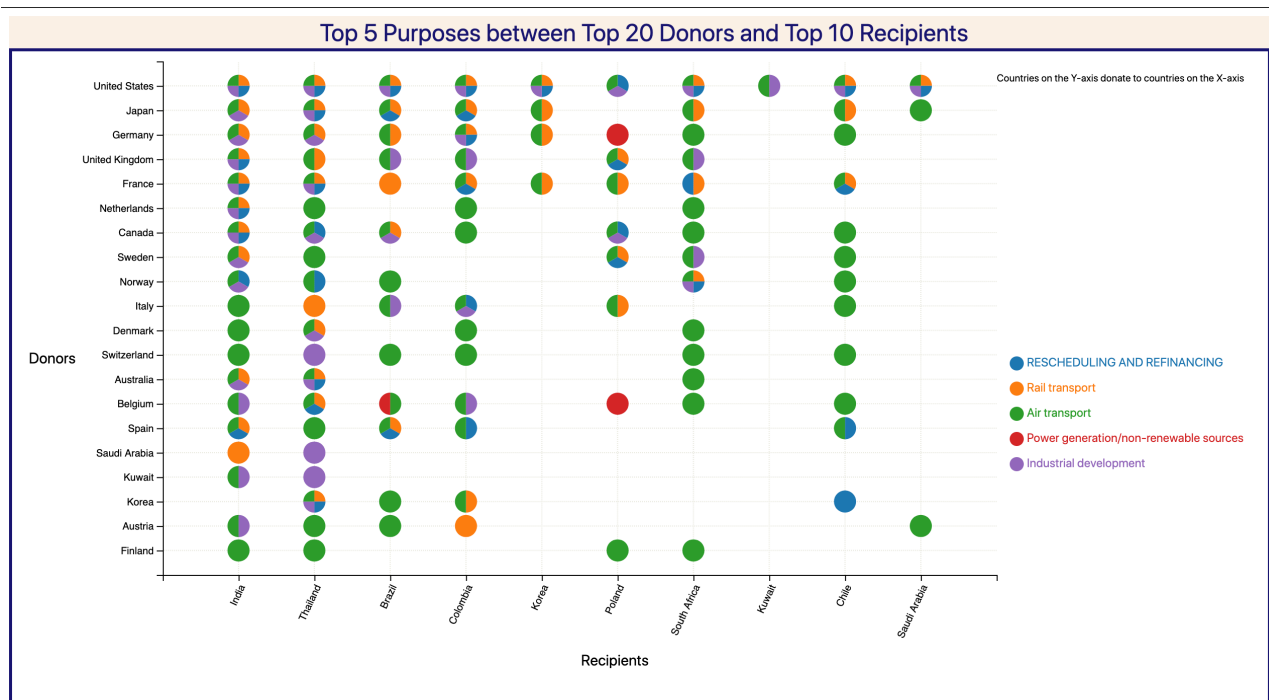
Srikar Kompella sk7399

Q1.



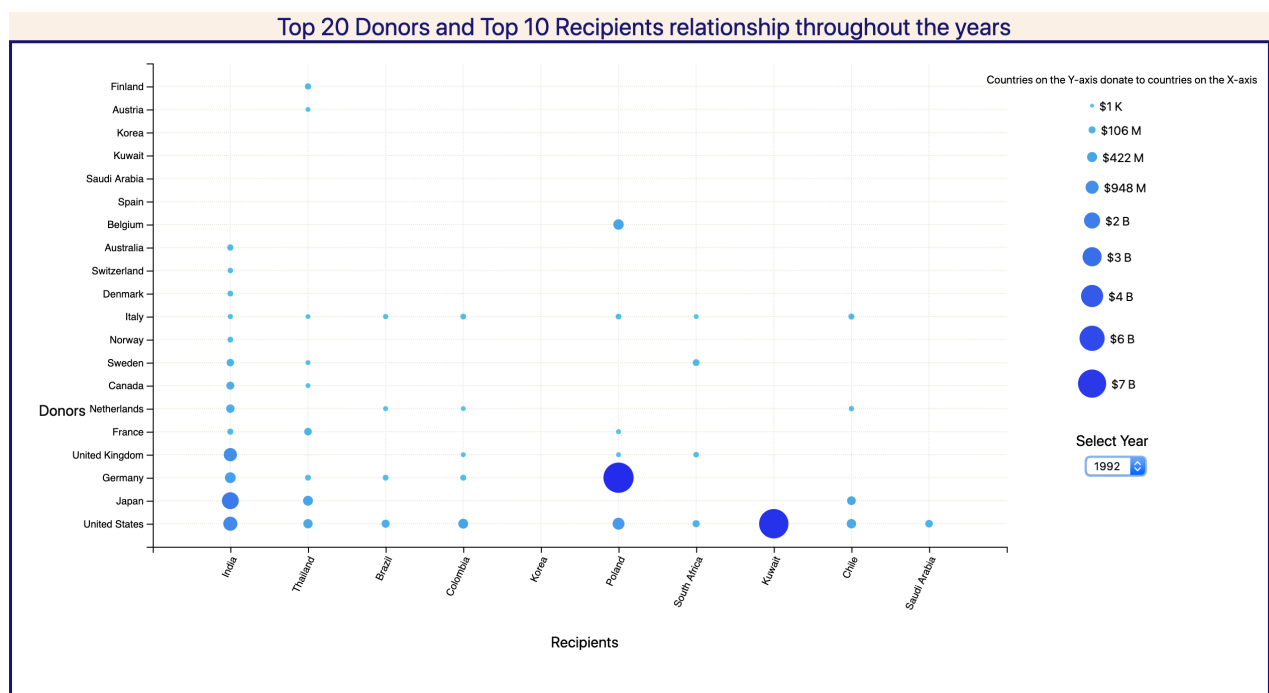
- Found out the top 20 donors and top 10 recipients in the entire dataset based on the amount.
- The axes contains countries fitted according to the total amount sorted in a descending. The countries are fixed and the values are flexible.
- The gap between maximum and minimum amount is significant, hence the legend sizing is the best I could achieve.
- I used size and colour intensity to map the amount.
- **This visualisation answers all the questions mentioned.**

Q2.



- After seeing a piazza post, I used the same donors and recipients from Q1. First I found the top 5 purposes according to the amount in the entire dataset.
- Then, I found the entire data which included the top 5 purposes and top 20 donors and top 10 recipients from Q1.
- I tried using size as a factor but the chart was cluttered with overlapping pie charts. I tried to control that but I faced an issue with the pie chart legend. I was not able to map the sizes properly.
- Hence, I used a common radius. Also, the question does not mention size rather it asks for the composition of purposes.
- Each purpose has a colour. A pie chart is divided equally into 5 regions.
- **This visualisation answers all the questions mentioned.**

Q3.



- This is very similar to Q1 with an exception that we have to visualise over a time period.
- I used the same Top 10 recipients and top 20 donors from Q1 and hence the axes values are fixed. The only difference is now my data is grouped by the year.
- There is a dropdown menu to select a year, based on which the chart displays values in that year. The picture shows values from 1992.
- As we check every year, we can see how the donation trends change. If we are to compare two charts, then the axes have to be constant to make it easier for comparison. Hence, I sorted the values by descending for every year. The axes values remain constant.
- 7B was the maximum amount donated in a year over the entire dataset and 1k is the minimum donated in a year over the entire dataset.
- I stretched the circle legend so you can see more details.
- I chose not to group the data over 5 years or a decade because we can lose certain key details which are only observed when the data is annual.
- **This visualisation answers all the questions mentioned.**