

Madeleine Nicolas, mpn272

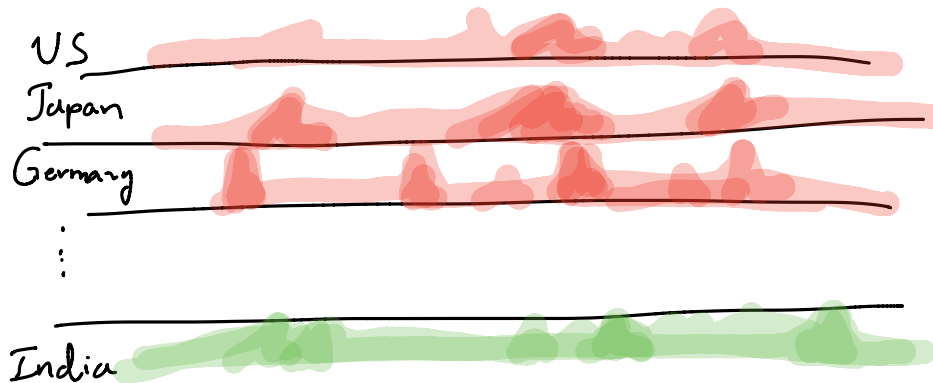
Mini-Project 2 Submission

<https://github.com/mcpnicolas/infovis-miniproject-2>

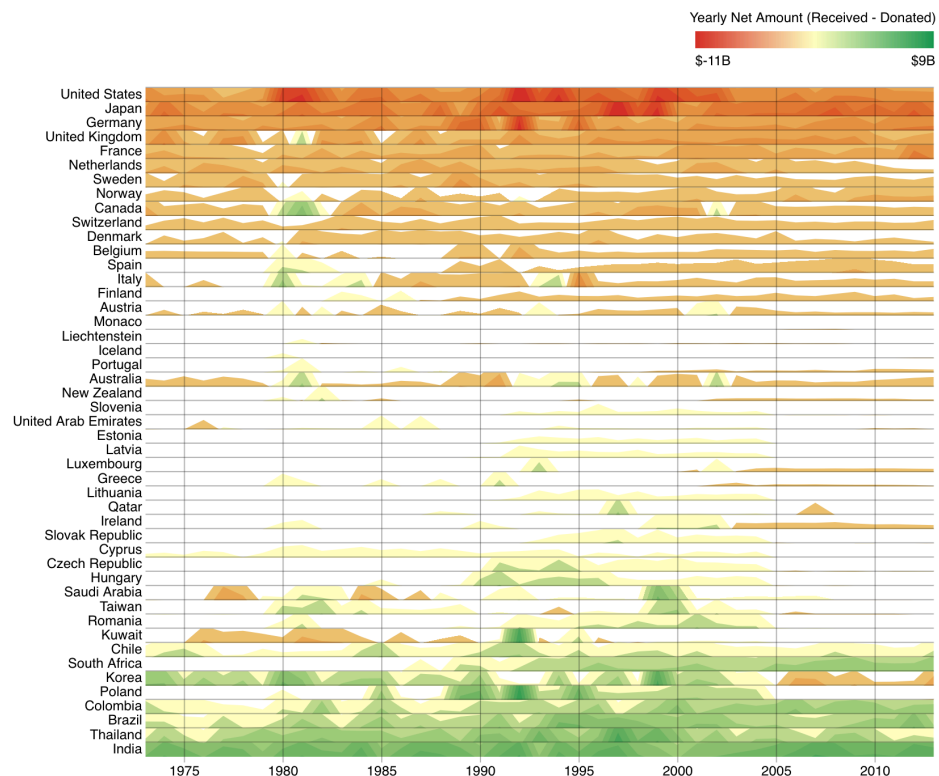
Visualization 1:

- How does the amount donated vs. amount received change over time across all countries?
- Are there countries that mostly send or mostly receive and countries that have a similar amount of donations they receive and send?
- Are there countries that change their role over time? That is, they used to mostly send donations and turn into mostly receiving donations and vice-versa?
- Are there countries in which you can find a sudden increase ("peak") or a sudden decrease ("valley")?

Sketch: A horizon chart is the best way to visualize and scale each country's yearly data, with each row representing a country and a diverging color scale mapping the country's net amount.



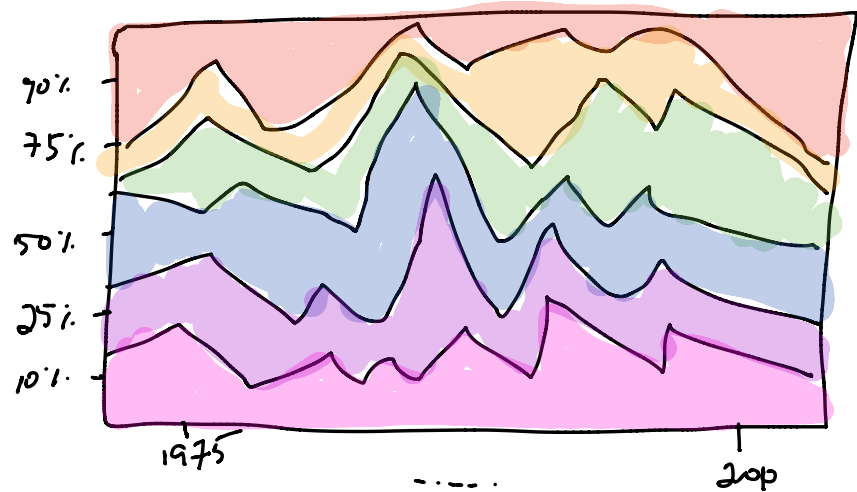
*Screenshot:
For each country row, I mapped the country's net amount to an area chart, then clipped the chart and layered the areas into a horizon chart. Legend includes detail for diverging color scale.*



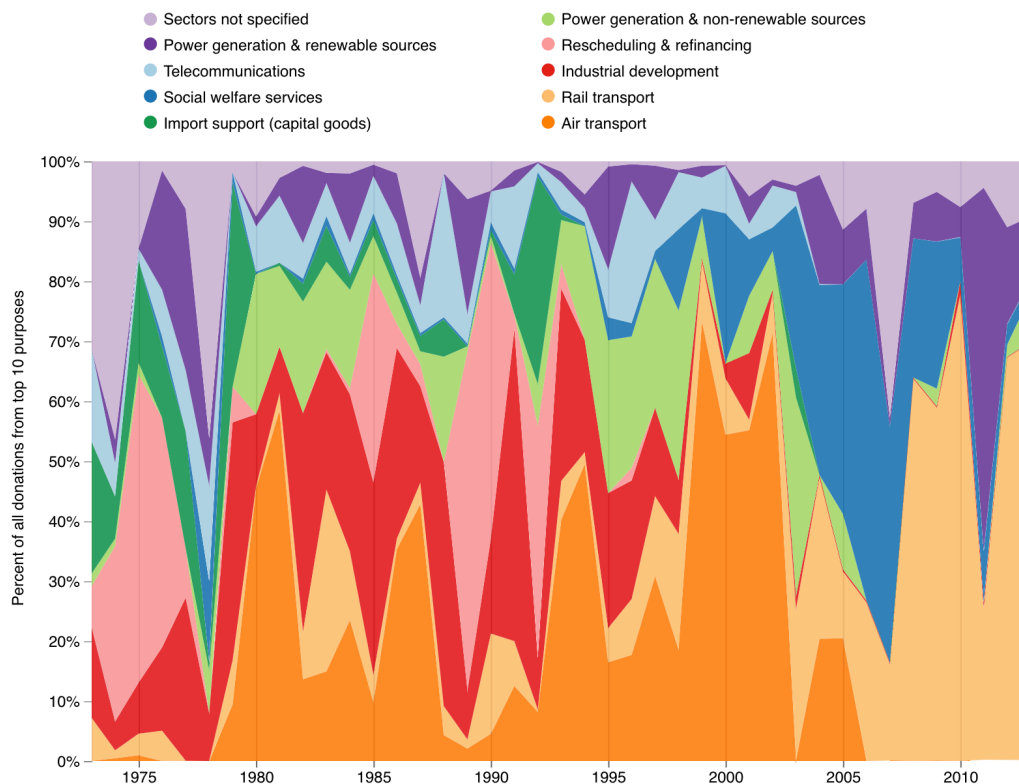
Visualization 2:

- What are the top 10 purposes of disbursements (in terms of total volume) and how does their volume compare over time?
- Are there types that have a much higher/lower volume overall among the top 10?
- Are there types that increase or decrease their volume over time or that have sudden peaks or valleys?

Sketch: A percent area chart is the most appropriate way to compare proportions of the volume of top 10 purposes over time. For the chart, instead of mapping volume amount, I will map the percentage of the amount donated by the top 10 purposes.



Screenshot: Percent area chart for the volume of top 10 purposes. Categorical data and color scale in legend.



b) Are there countries that receive higher amounts in specific time periods?

India

Countries

Years

1973

2013

\$ Amount donated by Japan

Donation Amount Range	Count
<1M	1
1M	1
10M	1
100M	1
1B	1
>1B	1

