Week (5) - “Brain Drain”

Khulood Alkhudaidi

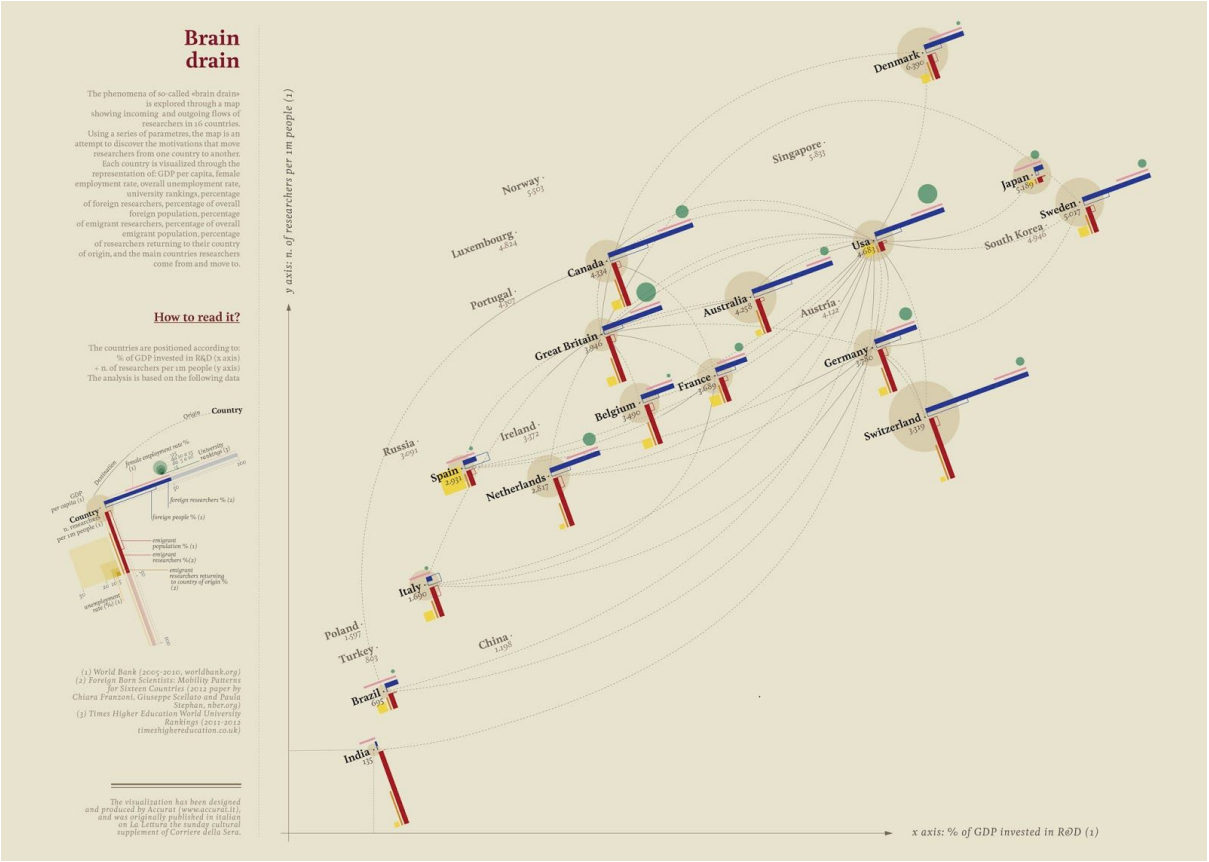

Figure (1)

This visualization is called "Brain Drain" by Giorgia Lupi. It is an exploration of the reasons why researchers from 16 countries leave their homes. The structure used to represent the data is a network with links between destination and origin countries. The x-axis is GDP per capita, while the y axis is the number of researchers per 1 million people. The number of the researchers per 1 million is shown below each country's name, and the size of the brown circles increase as the GDP per capita increases. The green circles with different sizes represent the university rankings, and the yellow rectangles with different sizes represent the unemployment rate. The blue bar represents the foreign researchers aligned to the empty bar with a blue frame representing the foreign people, and the red bar represents emigrant researchers aligned to the empty bar with a red frame representing the emergent population. The female employment rate and emigrant researchers returning to their home countries are represented by the pink lines and the orange lines with different lengths.

The network of the destination and the origin countries makes it easy to identify information about a particular country, compare two countries' information, and get an overview about all countries. Also, I like the alignment of, for example, the blue and red bars. It facilitates comparing the

percentage of the foreign people vs. foreign researchers and emigrant population vs. emigrant researchers.

I would suggest at least adding a tooltip to present more detailed information when hovering over the brown and green circles that indicate GDP per capita and university rankings, respectively.

Sources:

1. https://www.flickr.com/photos/accurat/8423908166