Personal Statement - CS5044 Practical 2

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Role

1. As the project coordinator in this team, I helped to split the workload, wrote the memo for meetings and specified our target - 'Stories of Directors'.
2. Responsible for the group report.
3. Did 'the relationship between director and country' visualisation individually.

Visualisation Process

1. Data cleaning

   I used Tableau Prep Builder to remove missing values and split related multi-input cells of the director.

2. **Get the geo map corresponding to the data set - This is the most time consuming part**

   There is a mismatch of country names between the found GeoJson file (from Github) with our chosen data set (eg. United States in our chosen dataset and United of America in the GeoJson file). I corrected this by using code to match them.

3. Create the visualisation

   For the map, I used the popup and d3 color scale for the map, and set mouseover/mouseout/click/ events for it. I also made a word cloud to give more information to the viewer.

Visualisation Resulting and Learnt

The viewer can tell the occurrence rate of a country and a director through observing the color on the map, hovering the mouse over countries or clicking the country to get a name list with different font size and font weight.

I learnt how to use d3.js to generate an interactive map visualisation through this practical. Except what has been presented by the visualisation, I also learnt how to use JS libraries like google font, bulma and word-cloud generating codes.