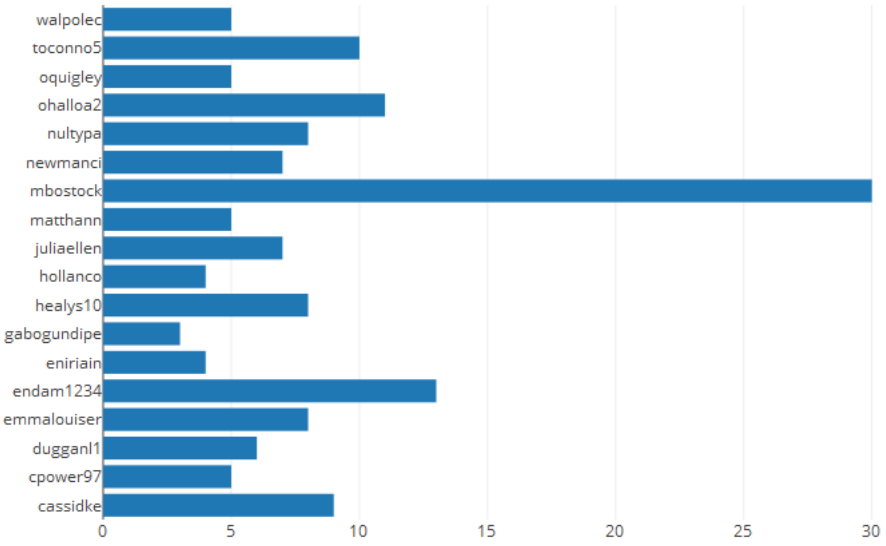
GitHub API Visualisations

- **All plot can be viewed at https://plot.ly/~kennyc11**

Plot 1

The first plot is an interrogation into my own GitHub account "kennyc11". I decided to analyse the how influential the users that I am following are. By influential, I mean who out of my followers has the most followers. By doing this, I came to the conclusion that Mike Bostock is the most influential user that I am following with gabogundipe being the least influential. I plotted this using a bar chart, which shoes the name of the users and the amount of the followers the user has.

A more interactive version of the graph can be seen here: https://plot.ly/~kennyc11/23/#/

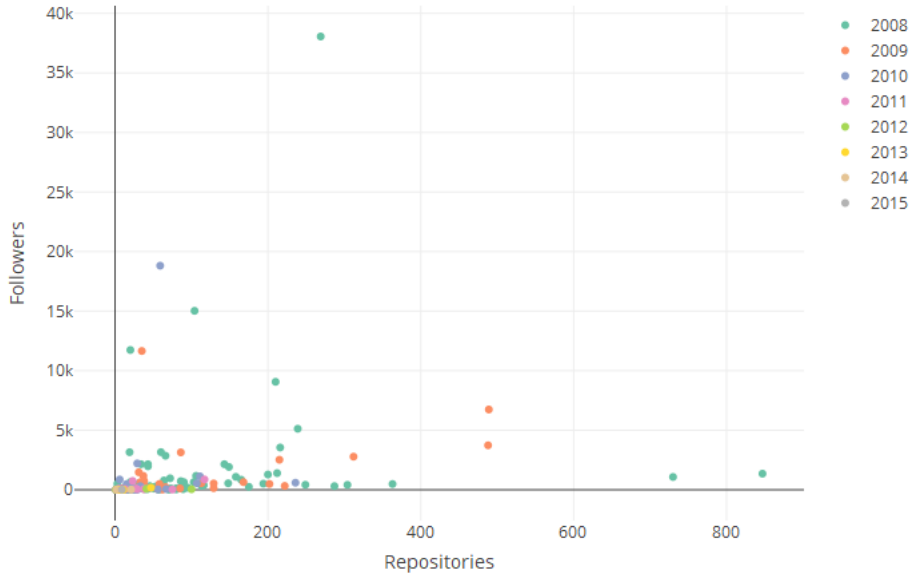


Plot 2

The second plot and rest of my project takes into account what I plotted in plot 1. From my results in plot 1, I decided to look further into Mike Bostock's profiler. Plot 2 takes into account 250 of Mike Bostock's followers. The data is represented using a scatterplot with the x-axis displays 'Repositories', representing the number of repositories each user has, while the y-axis displays the number of 'followers' each of Mike Bostock's followers has. The data is also categorized under the date they were created to see if this has any other effect on the relationship between Mike Bostock's followers and repositories.

The plot can be viewed at: https://plot.ly/~kennyc11/8/#/

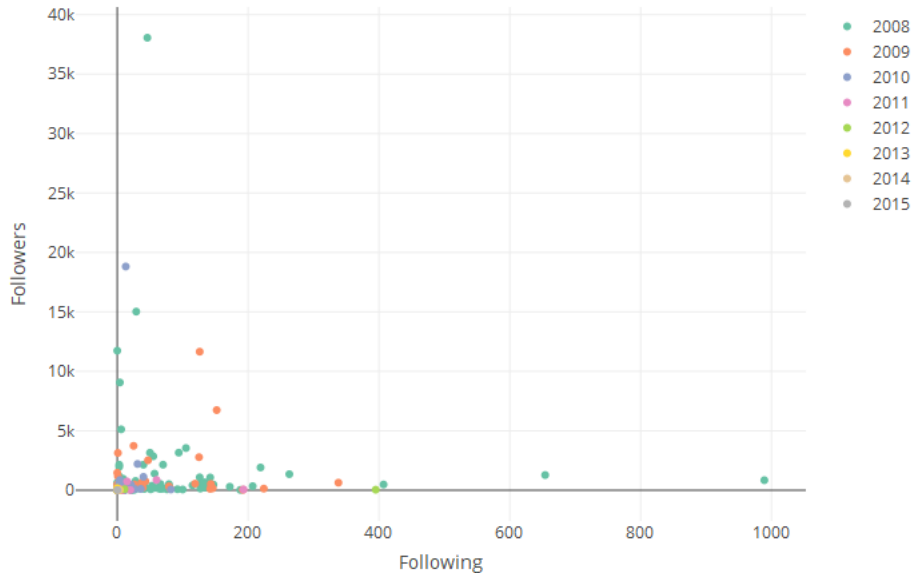
This link allows for more interactive visualization of the information presented.



Plot 3

Plot three interrogates Mike Bostock's followers to see how many people they are following. The x-axis represents 'Following', the number of users his followers are following, while the y-axis represents 'Followers', the number of followers his followers have. The plot is also displayed using a scatter plot.

The plot can be viewed at: https://plot.ly/~kennyc11/21/#/



Plot 4 & 5

Plot four and five display the top 20 languages used in repositories in GitHub. They can be visualized below in plots that I produced. I used both bar chart and bubble charts to display this data.

A more interactive version of the graph can be viewed at: https://plot.ly/~kennyc11/19