

GitHub API Visualisations

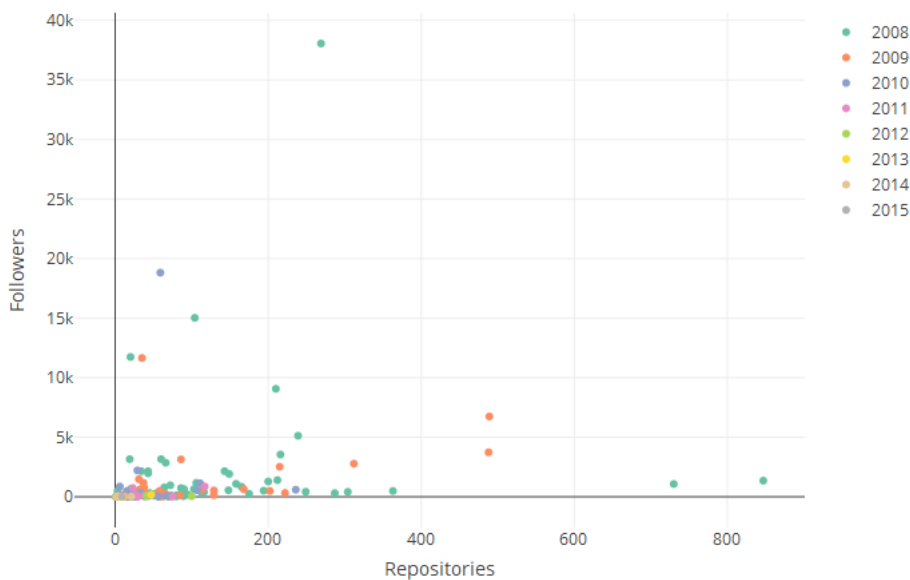
- All plot can be viewed at <https://plot.ly/~kennyc11>

Plot 1

The first plot involves looking into the profile of Mike Bostock. It 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/#/>

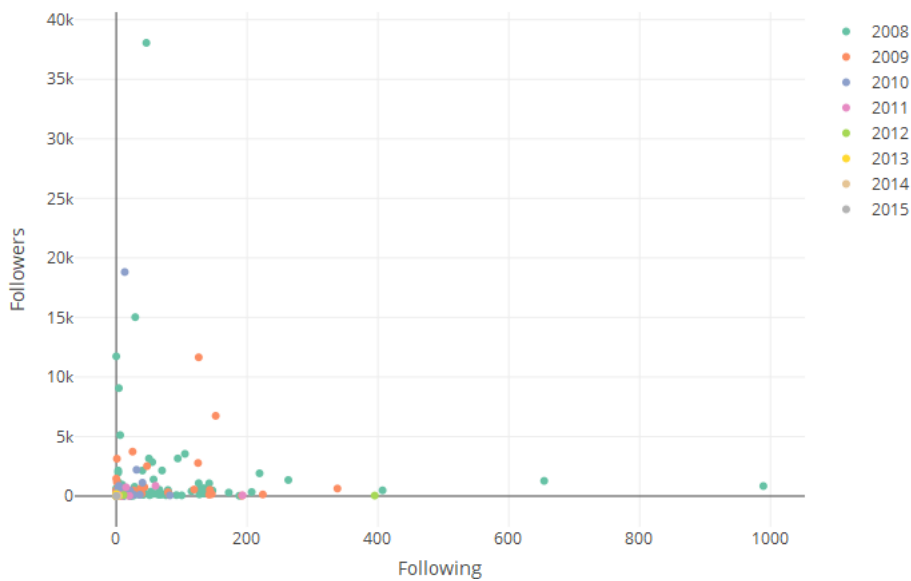
This link allows for more interactive visualization of the information presented.



Plot 2

Plot two 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.

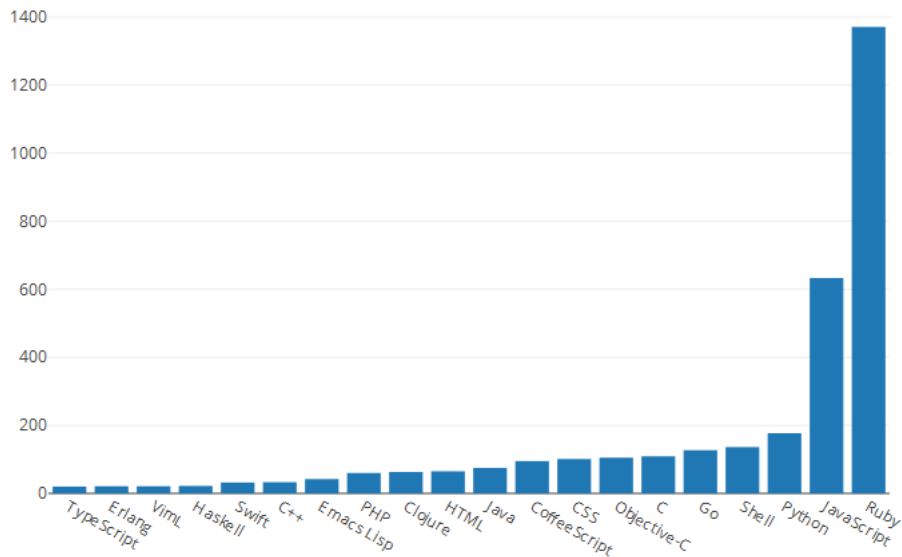
The plot can be viewed at: <https://plot.ly/~kennyc11/21/#/>

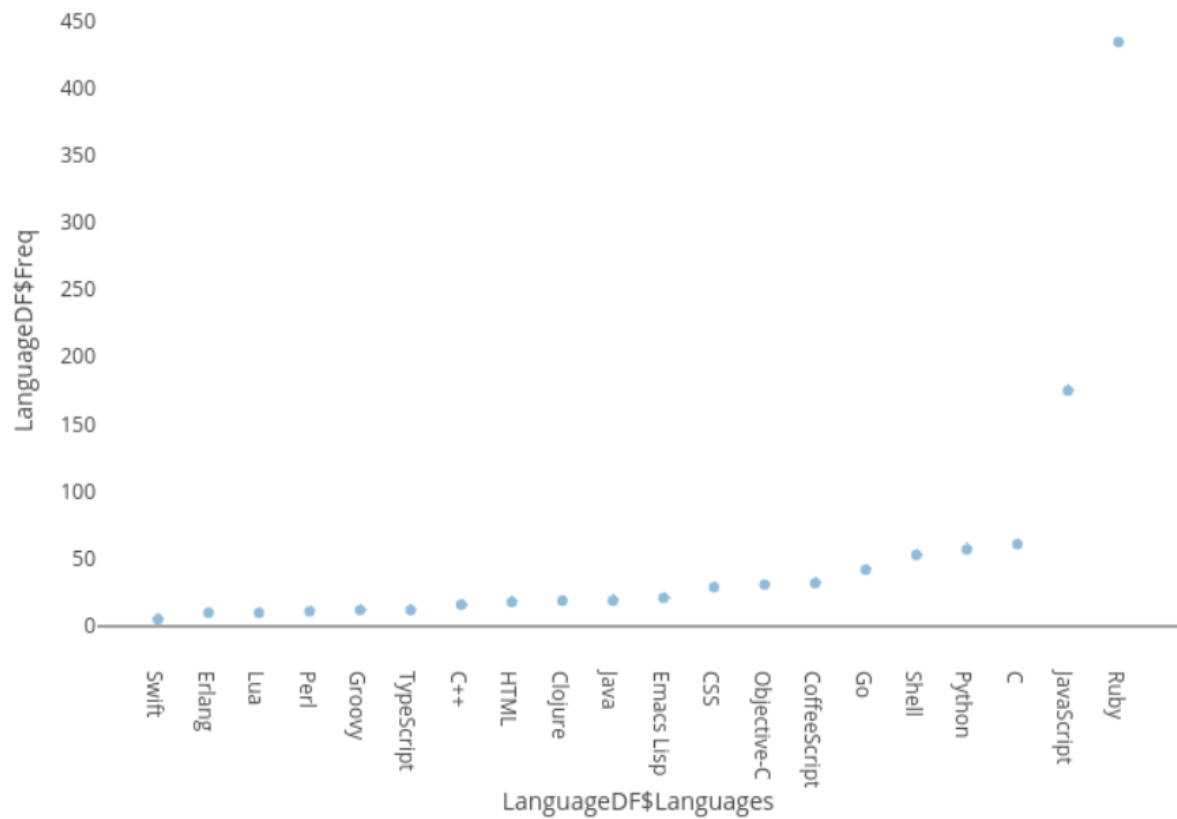


Plot 3 & 4

Plot three and four 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>





Plot 5

Plot 5 displays the most influential user who Mike Bostock is following in terms of who they are following. You can see that the graph does not go past 30, representing the number of users they are following. From the bar chart, it can be interpreted that m1arc00 follows the least amount of users on GitHub.

A more interactive version of the plot can be viewed at: <https://plot.ly/~kennyc11/17>

