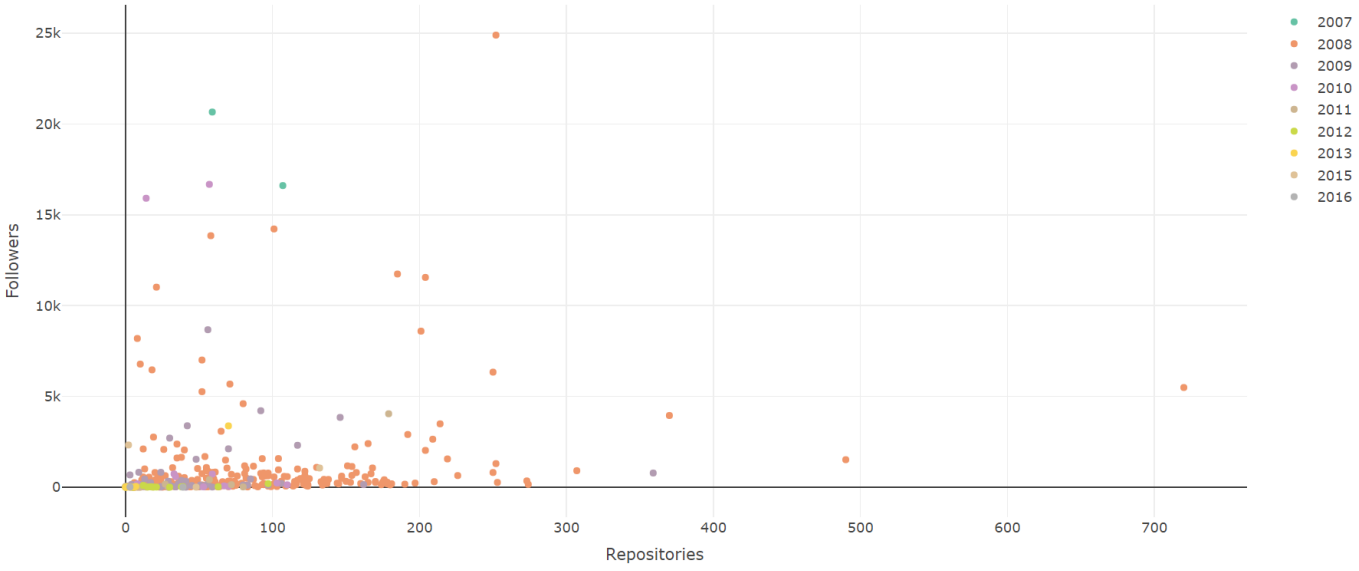
Visualisations Produced by Interrogating the Github API

1. Followers vs Repositories coloured by Year

A scatter plot displaying data for 400 unique users. The x axis displays 'Repositories', which refers to the number of repositories each user has. The y axis displays 'Followers, which refers to the number of followers each user has. This graph plots the two against each other in an attempt to visualise any relationship which they may have with one another. Furthermore, the points are coloured by the year which the user joined Github, to see if this factor also has any relationship with the previous two. The years and their respective colours are displayed in a key on the right-hand side of the graph.

A clearer, interactive version of this graph is available at:

https://plot.ly/~fwolfe/1

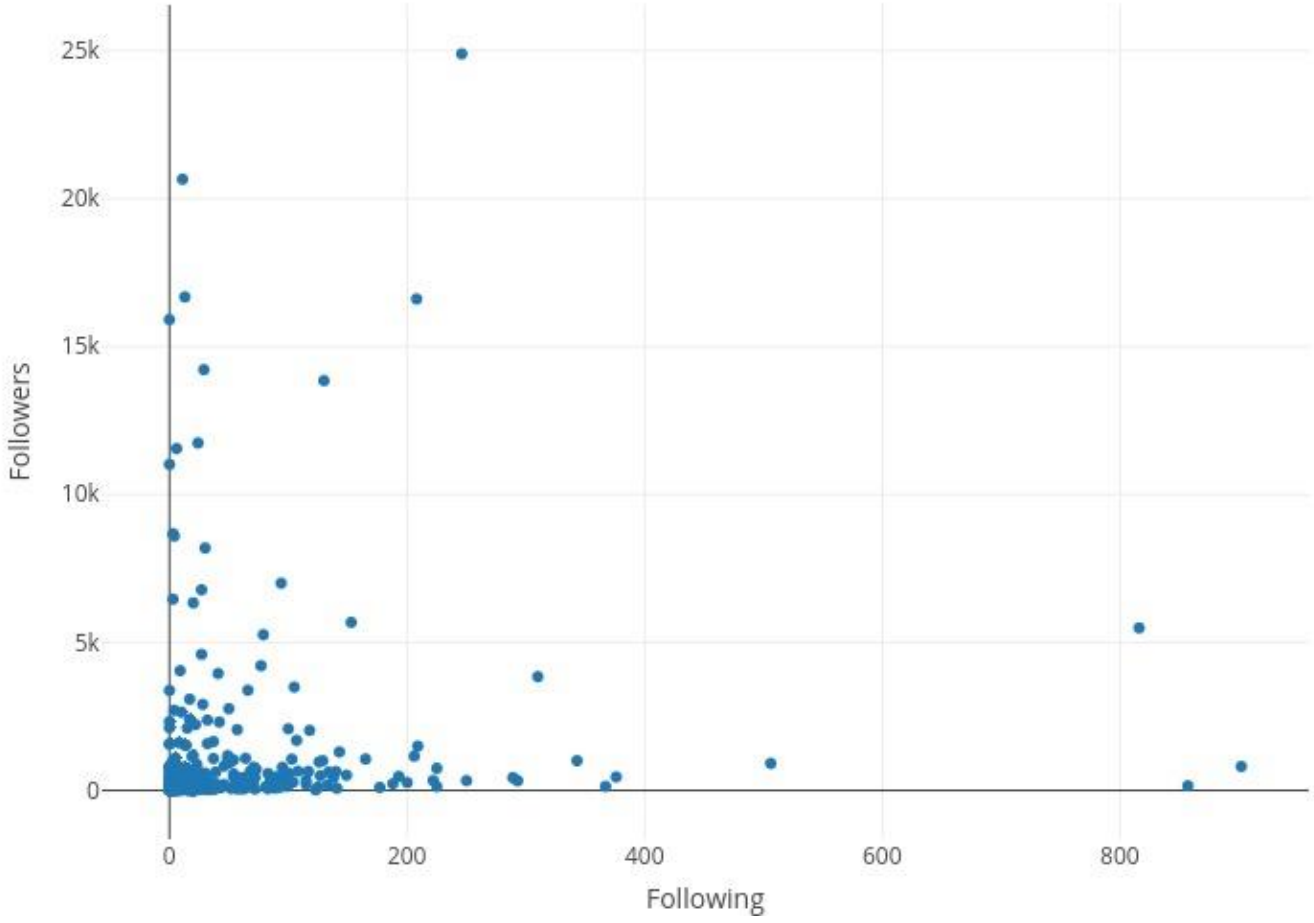


2. Followers vs Following

A scatter plot displaying data for the same 400 unique users. The x axis displays 'Following', which refers to the number of users each user is following. The y axis displays 'Followers', which refers to the number of followers each user has. This graph plots the two against each other to see if any relationship can be seen.

A clearer, interactive version of this graph is available at:

https://plot.ly/~fwolfe/5



3. 20 Most Popular Languages

A bar chart displaying data for all the repositories owned by the same 400 unique users. There was found to be 27,699 repositories relating to these users. Every repository was analysed and the primary programming language which it was written in was extracted (if there was not one available on Github, the repository was discarded). For ease of visualisation, the top 20 languages are shown in the bar chart. The y axis refers to the number of repositories for which the given language was the primary language it was written in.

A clearer, interactive version of this graph is available at:

https://plot.ly/~fwolfe/3