Keith Del Rosario
CS 472
Section 1001

RootBeer Executive Summary

Fork Link: https://github.com/haiimkeith/munch
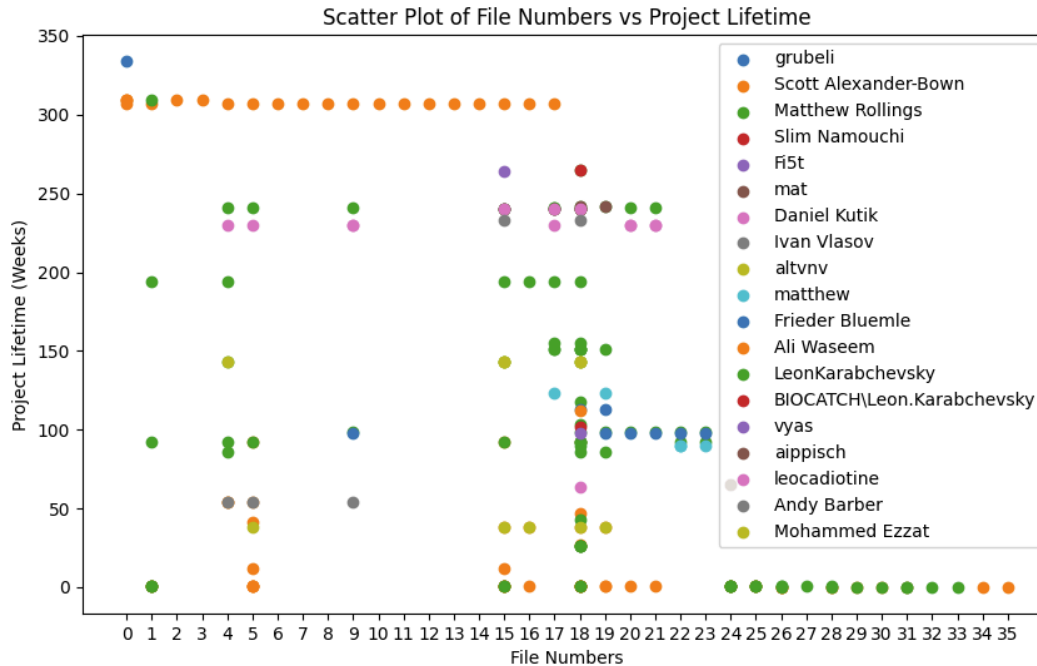
       The above image is a scatter plot that represents the number file as well as the project's lifetime, as we can see there are 36 source files obtained from the GitHub API and this was gathered by creating a source extension list that consists of Python, Java, C++, Headers, JavaScript, and HTML files, and then extracted the info of the author, the filename they touched, and the date all into a class that would be stored into a list. Taking this list of information and being stored in a CSV file, we were then able to produce code to create a scatter plot of the recency of the author's commits and changes to each unique source file based on the time based system where week 0 is the beginning of the project and scaling that to the most recent commit change.

       Based on the information provided, we can see that the most work is being done on file number 18 while there are less commits occurring on file 25 all the way to file number 35. Also based on the information provided, we can see the most recent commit is done by grubeli, Scott Alexander-Brown, and Matthew Rollings. Overall in the project we can see that LeonKarabchevsky has done a lot of work throughout the entire project as that author has made consistent contributions throughout the entire lifetime of the project. On the other hand, some of the earlier developers may have left the project such as Ali Waseem or aippisch, as after the first few weeks they no longer made changes to any of the files.

       The most useful git command used during this process was the use of git log, which goes through the committed snapshots of each user that helps see the history of a project and filter it, then be able look for specific commits that happen in a repository's history. Using this command helps us see who made what changes specifically in the repository.

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