

Executive Summary Report

Abstract

We have been analyzing the contributions made over the years for the **rootbeer** repository to determine the performance of the authors contributing to the repository. We can look at individual performance based on their recent commits and the number of files they committed to. To accomplish this, we have created Python scripts (authorsFileTouches.py and scatterplot.py) that utilize GitHub API to mine data for each commit made, and grab the author, date of commits, and files that were committed. We then put the gathered data into a scatter plot. To maintain readability, we scanned .java files only.

Results

The scatter plot below shows the files within the **rootbeer** repository and the number of weeks since the last contribution of the authors, each represented by their own color, for each file. Those who are in the lower section of the scatter plot are the ones committing most recently while those on top are the oldest commits. The two authors who contributed the most are Scot Alexander-Brown (orange), who is the owner of the repository and has made the most contributions, and Matthew Rollings (blue). On the other hand, Andy Barber (brown) and Mohammed Ezzat (pink) have made the least recent commits.

