

# Executive Summary

## Overview

The scottyab/rootbeer repository has a total of 17+ unique source files and a total of 33+ authors who have touched these 17+ unique files. The project is yielding many contributions over its lifespan and as of recent indicating proper maintenance of the project. The amount of contributors also suggests the project is in a healthy collaborative state with many important contributions coming from a multitude of sources.

## Development Findings

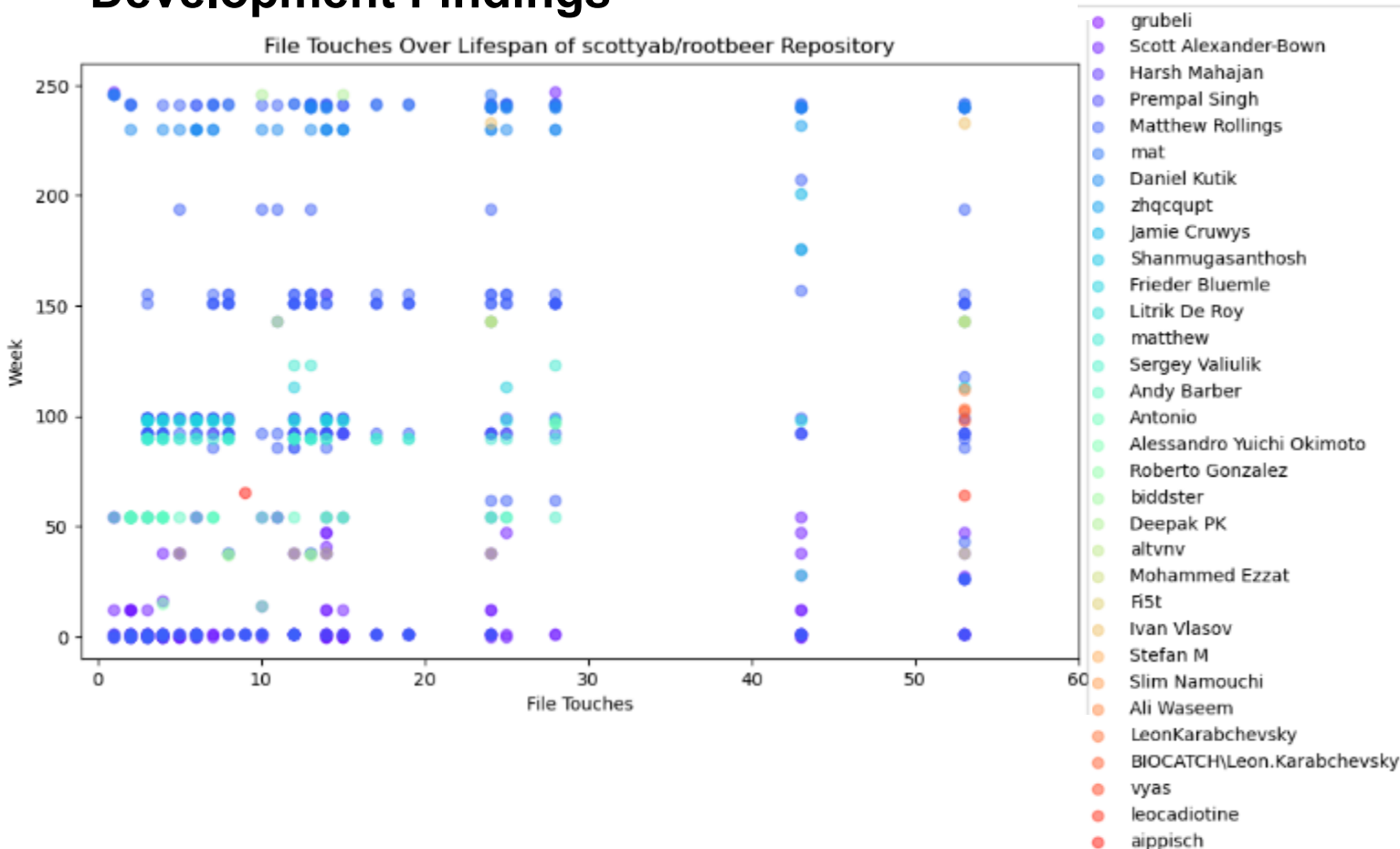


Figure 1: The figure above is a scatterplot created based on the processing of data related to the authors working within the repository. It displays the files that are touched in relationship to when they were touched. The colors in the legend help represents what author touched a particular file.

Authors Scott Alexander-Brown and Matthew Rolling has been key contributors to the project from the beginning not only touching the project the most but also doing it consistently throughout the projects history. The most recent authors to show activity in the project are Matthew Rollings, grubeli, Harsh Mahajan, and Scott Alexander-Brown all contributing as recently as 2021. Out of the most recent contributors Scott Alexander-Brown was the most active in the repository touching the most files in 2021. It is also worth noting authors Andy Barber and Frieder Bluemle who made many contributions dating back to 2016 but have seemingly not been active in the project for some time.

For this analysis commands such as 'git log' and 'git diff' were crucial to determining the repository's history. Another important command was 'git clone' which allowed closer analysis of the repository.

## **Recommendations**

Overall the scottyab/rootbeer repository has shown very positive progress in regards to its productivity shown by its commit history as well as use of data gathered from the repository itself. There has been considerable maintenance on the project and a healthy amount of collaboration over the years. With this in mind I suggest continued support for further development and maintenance of scottyab/rootbeer repository with special emphasis on providing resources for key contributors whom have showed commitment to the project throughout the years.

**Link to repository:** <https://github.com/Nick8120/CS472-HW1>