

Lab #1: Git and GitHub Summary

The diagram below represents a scatterplot of the commit history for the scottysab/rootbeer project. The commits chosen were based on the source program files which primarily consisted of programs written in Java, Kotlin, C++, and C. In recent years, it seems this project has not had that much work done on it. There seems to be a three year gap between the commits made around 300 weeks into the project's development until the most recent commits made around 450 weeks after the project started.

It seems Scott Alexander-Bown, Niall Scott, and altvnn were the most recent commits, and they seem to have been largely involved with the project throughout it's development. Reading their commit messages, it seems they are mainly focused on optimization and bug fixing their project. Looking at the commit history, it seems there has been several developers that have left or are at least no longer working on the project including matthew, Frieder Bluemle, and vyas. This seems to suggest that this project has largely been completed and is functional today. The only reason for more recent commits is to help improve the performance and fix any bugs remaining in the project.

In terms of the Git commands used, `git init` was needed to create our initial repository, and `git checkout` was needed to switch to a new branch while we were developing the scripts. Working on the scripts, one could have used `git clone` to clone the project's repo into a local repository and use `git log` to learn about the commit history for each project's file if they chose not to use GitHub's API. We also needed to use `git push` to save all of our files into the remote repository that is shared by our project groups.

- **Fork Repository Link:** <https://github.com/Dalevyv/Group-6>

