Lab #1 Executive Summary

The first step to the lab was to fork the repository, add my name as a contributor to the contributors file, invite those that need to review, and commit, push, and pull the updates to the main group's repository.

From there, I cloned a repository to retrieve a file that would help figure out how to collect the files in a repository in a way that would allow me to then gather data on them. I wrote another script I adapted from that one to partition out the source files to grab the authors and the dates for each commit to then push that information to a graphical display, which is displayed below. It is clear to say that over 53 weeks of commits, which programmer has worked the most on each file. Matthew Rollings seemed to carry the team the most, while mat didn't seem to do anything along with matthew and altvnv. Scott, Ali, and Frieder were the reviewers for the project and made edits to many of the files throughout the year. The source files are only files that were analyzed were only C++, C, Python, helper, and kit files.

Personally, I found that we seemed to have to work more with python than with git. Git is simple in design but can quickly lead to overwhelming confusion if the correct sequence isn't followed or the commands aren't known well enough. Branching is a good way to keep things clear and to ensure that work being done on specific features can be done without interfering with the main forked repository and allows for a specific way to get back to a place where the feature was not started in case the feature gets scrapped.

Fork Link