Mining Report: scottyab/rootbeer:
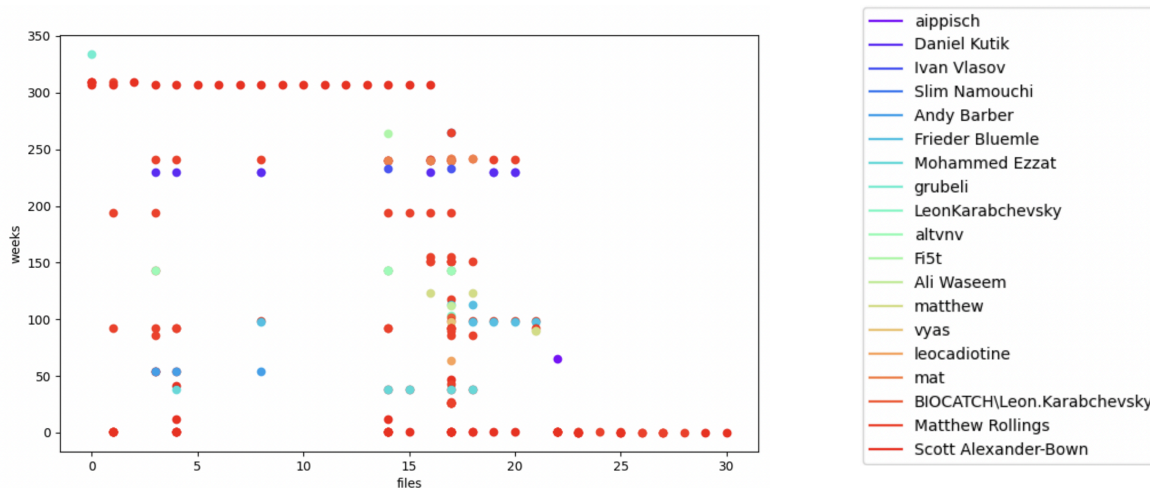
Executive Summary by Dylan Cozloff- Jan 25, 2024

https://github.com/cozloff/2DRogueLikeUnityGame/tree/main

Overview:

This project contains a collection of repo-mining Python scripts that loops through all the source files in the "rootbeer" GitHub repository. This allows the company to analyze the contributions made with greater detail and efficiency, and coordinate task allocation based on the recency of work on a file. The first file: Dylan_authorsFileTouches.py collects the number of touches per file, the authors, and the date they touched that file, and then stores it in a CSV table. The second file: Dylan_scatterplot.py generates a scatter plot of weeks vs file number. Authors are given a distinct color and plotted based on where and when they touched a source file in the repository.

Contribution Trends:

A lot of the early file touches on the project have not been touched for a long time. Fortunately, these early contributors are the most recently active. Therefore, refactoring these files can be done with some familiarity. The files that have the most diverse contribution base, are also the most persistently edited since the beginning of the project. This means we can flexibly assign tasks to a plethora of contributors. Although, as of recently, only a couple of our original developers have been active on the repository. They have been editing files that historically have had low activity.