EXECUTIVE SUMMARY

LINK TO FORKED GITHUB

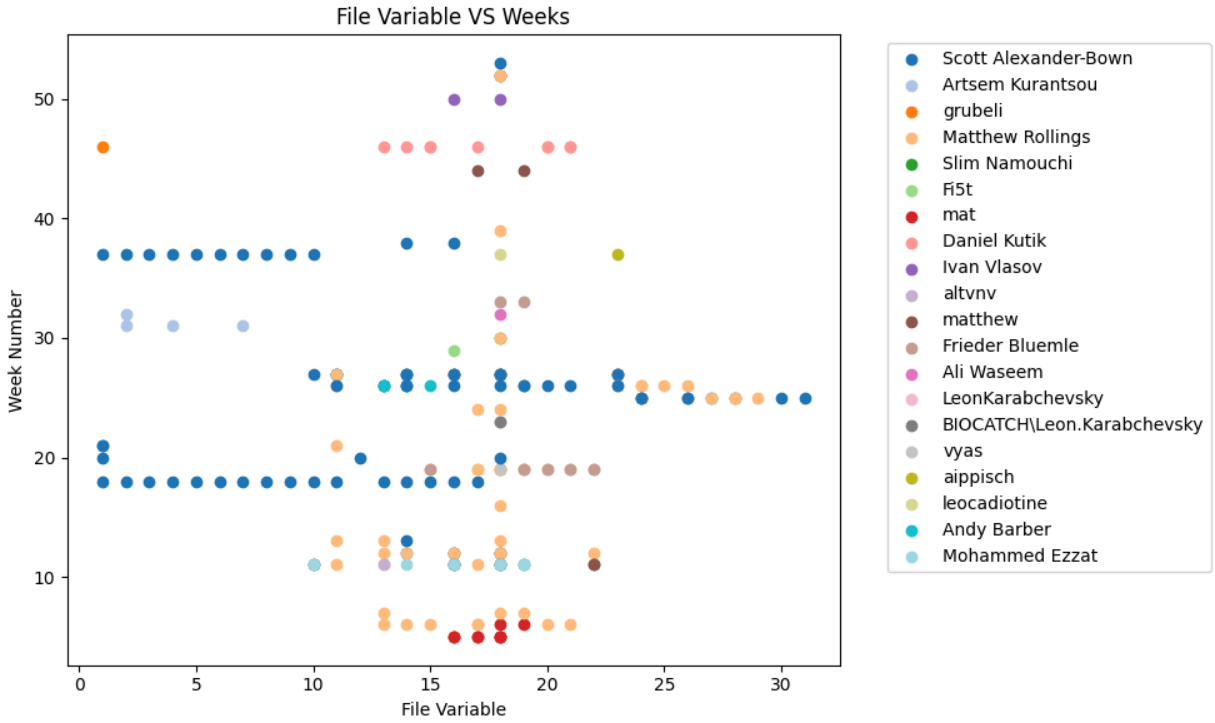
https://github.com/ashley-arellano/Group-2

PROJECT OVERVIEW

Rootbeer is an Android library that checks if an app downloaded on a device has full and complete unauthorized administrative access to it. Over the course of 9+ years, Rootbeer had been maintained by 20 authors, has over 30+ source files and hsa 202 changes (referred to as commits). It has undergone significant changes over the years including but not limited to new features, bug fixes, and code optimization.

DEVELOPMENT ACTIVITY

- The top contributors of this project are Scott Alexander-Bown, Matthew Rollings, and Artem Kurantsov had added several significant changes and features to the project.
- In particular, our lead contributor, Alexander-Brown, had recently done added bug fixes that would enable the library's newest version to be deployed
- Regarding the most recent work, a new contributor, Niall Scott, had further optimized the library by preventing duplication of properties and removing unnecessary files.
- Majority of the source files have been touched and modified by at least one author. The source files in question share one of the following extensions: .java, .kt, .cpp, and .c. These were specifically selected since the library uses a combination of the programming languages which are Java, Kotlin, C++, and C.
- Starting around the start of 2016 and onward, several developers, Frieder Bluemle, Aliaksei Litvinau, Daniel Kutik, etc, had left this project. This was determined by looking at the date of their last commit.



USEFUL GIT COMMANDS

- **git shortlog -sn** Used to identify the number of commits issued per author to determine which authors contributed the most.
- **git log --pretty=format:"%h%x09%an%x09%ad%x09%s"** Used to get the commit history of the project to see the authors who recently contributed and which authors had not.
- **git checkout <branch_name>** Used to quickly navigate and switch to different branches of the library for closer inspection and further analysis of the logs

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