Progression Analysis of scottyab/rootbeer

A comprehensive study was conducted exploring the contribution history of the scottyab/rootbeer git repo. Iterating through the commit history in reverse, I recorded commit author, creeation dates, and the list of touched source files. For simplicity--given that the repo is comprised of Java, Kotlin, C, and C++-- I treated files containing the following extension as source files: '.cpp', '.h', '.java', and '.kt'. Figure 1 below presents a scatterplot visualizing that data:
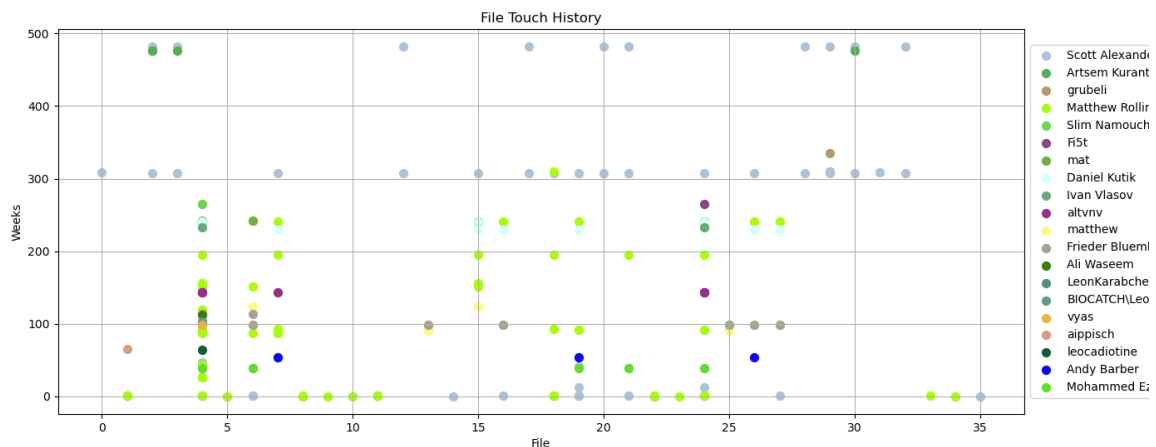

Figure 1: Scatterplot of scottyab/rootbeer's File Touch History

In total, there are 20 contributors to the repo, with an estimation of about 36 source files. Not all assumed sources files have frequent changes – a possible indication that my simplisitc approach to categorizing the repository's files are either configuration or source may need improvement.

My investigation found that Scott Alexander-Bown and Matthew Rollings contributed most to the repo, with the majority of the work done within the first 300 weeks of the repo's creation. Lastly, from the list of source files gather using my heuristic, these are the top 5 files touched most in the commit history:

1. rootbeerlib/src/main/java/com/scottyab/rootbeer/RootBeer.java, 53 times
2. rootbeerlib/src/main/java/com/scottyab/rootbeer/Const.java, 24 times
3. app/src/main/java/com/scottyab/rootbeer/sample/MainActivity.java, 14 times
4. rootbeerlib/src/test/java/com/scottyab/rootbeer/RootBeerTest.java, 13 times
5. rootbeerlib/src/main/java/com/scottyab/rootbeer/util/QLog.java, 12 times

To view my study's source code, visit https://github.com/ortegj8/Group-6.git.