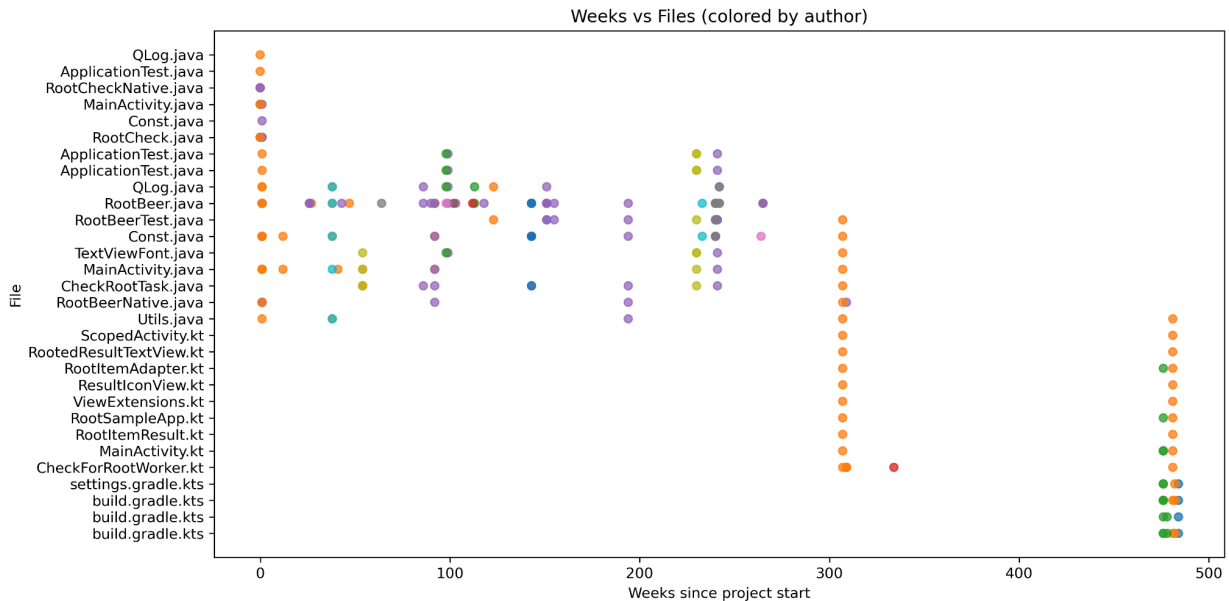# EXECUTIVE SUMMARY | RootBeer (scottyab/rootbeer)
By Nevryk Soliven

SUMMARY

RootBeer is an open-source tool developers use to detect rooted devices and protect application integrity. This report summarizes source-file activity from the project's GitHub history. For this analysis, source files are defined as Java and Kotlin files only (.java, .kt, .kts). The dataset includes 30 source files, 223 file touches, and 20 unique authors, spanning activity from 2015 through 2024.

Weeks vs Files (colored by author)

CONTRIBUTIONS

Contributor activity is led by a small core group. The top contributors by source-file touches are Scott Alexander-Bown (80), Matthew Rollings (71), Artsem Kurantsou (14), Daniel Kutik (12), and mat (9). This suggests a clear ownership structure, with most maintenance concentrated among a few long-term contributors.

SCATTER PLOT INSIGHT

The weeks-vs-files scatter plot shows repeated touches on the same core files across the project's lifetime, indicating long-term maintenance rather than rapid file churn. The dense clusters around RootBeer.java and Const.java show these are stable hotspots and good candidates for refactoring or deeper review by the most active maintainers.

FILE ACTIVITY

Development effort is concentrated in a small set of core files. The most frequently touched files are rootbeerlib/src/main/java/com/scottyab/rootbeer/RootBeer.java (53 touches), rootbeerlib/src/main/java/com/scottyab/rootbeer/Const.java (24), app/src/main/java/com/scottyab/rootbeer/sample/MainActivity.java (14), rootbeerlib/src/test/java/com/scottyab/rootbeer/RootBeerTest.java (13), and rootbeerlib/src/main/java/com/scottyab/rootbeer/util/QLog.java (12).