Executive Summary: RootBeer

The RootBeer project, which focuses on detecting root access on Android phones, has been in development for the past ten years. This report provides a high-level analysis of development activity, key contributors, and recommendations for future staffing.

Development Activity:
202 commits have been made to the project throughout its lifespan. A visual representation of commit history by author over the past ten years can be seen below.
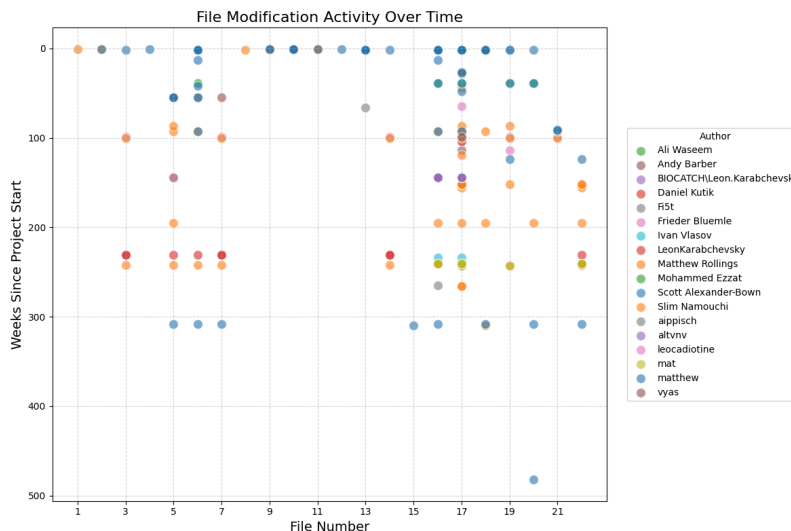

Figure 1: File Modification Activity Over Time

Key Contributors & Recent Contributions:
The key contributors to this project have been Scott Alexander-Bown (67 contributions), Matthew Rollings (66 contributions), mat (14 contributions), Artsem Kurantsou (7 contributions), and Frieder Blumie (7 contributions).
In the past three years, we've seen development largely slow down, with only a few commits pushed to production by Scott Alexander-Bown (approving some PRs from Niall Scott and Artsem Kurantsou).

Recommendations for Future Staffing:
Almost all developers that have worked on the project have been inactive for three or more years besides Scotty Alexander-Bown. It is recommended that they are moved to other projects where they can have more impact.

Useful Git Commands:
The following commands were useful in compiling this report, double-checking that my program was pulling the correct data: "git log --pretty=format:"%h %an %ad" --date=short --stat"; shows author name, commit date, and modified files. "git shortlog -sn", lists all contributors with number of commits they've made.