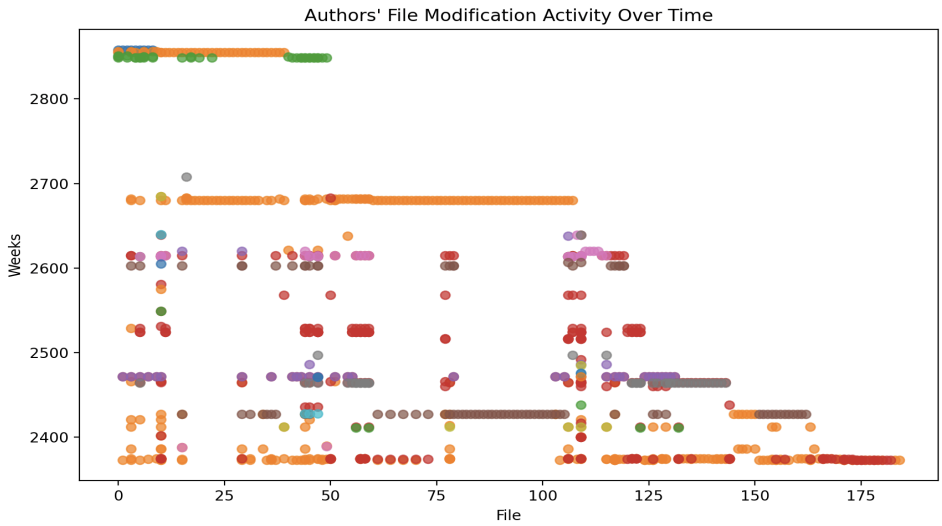
Project Overview

The objective of this report was analyzing the activity in the scottyab/rootbeer repo using Git-GitHub tools. The focus of this analysis was to extract insights into the frequency and distribution of modifications made to the project files over time by different contributors. The repository serves as a case study by understanding developer contributions, file modification trends, and potential areas for refactoring and optimization.

Key Findings

Key findings included developer contributions and activity trends, most frequently modified files, and identifying refactoring and maintenance opportunities. The repository has a total of over 33 unique contributors modifying files actively. The scatter plot visualization below reveals that certain files are modified more frequently than others, indicating areas of high activity and potential maintenance requirements. The recent weeks show a decrease in certain authors' activities which suggest developer attrition or shifting priorities. Files with such a high frequency can be candidates for code refactoring or additional documentation to improve maintainability. The scatter plot analysis highlights clusters of heavy activity, which suggests areas where code complexity or instability might be an issue. Identifying developers who have extensively worked on these files can help in assigning future maintenance tasks. Lesser active contributors may require onboarding support to balance workload distribution.



Conclusion

The scottyab/rootbeer repository showcases a diverse and engaged developer community. However, frequent modifications in specific areas would highlight refactoring opportunities and potential technical debt. Addressing these insights would definitely improve code quality, reduce maintenance overhead, and ensuring an sustainable development workflow.

Link to my forked repository on GitHub