Project Report Summary

This summary provides an overview of the [Scottyab/Roobeer](#) project, covering developer activities from **2015-06-19T09:05:10Z** to **2021-11-16T14:04:57Z**, using GitHub-mined data. The source code used for this report is accessible on: https://github.com/danielogen/CS-472-2023-GROUP-2

Results and Discussion

Figure 1 shows the files touched by developers over the period of data collected (in weeks). File index *17* is the most frequently touched file. *Figures 2* and *3* display the activities of each developer for a year and the total commits for the period of data collected, respectively. We observed that two developers, *Rollings* and *Brown*, are the most active, while other developers such as *Ezzat* seem to have left the project.
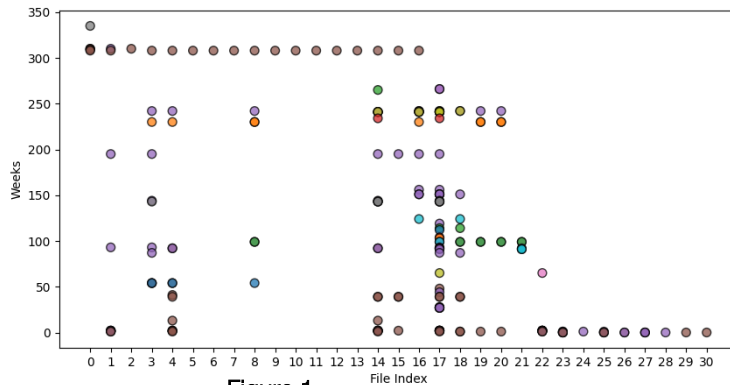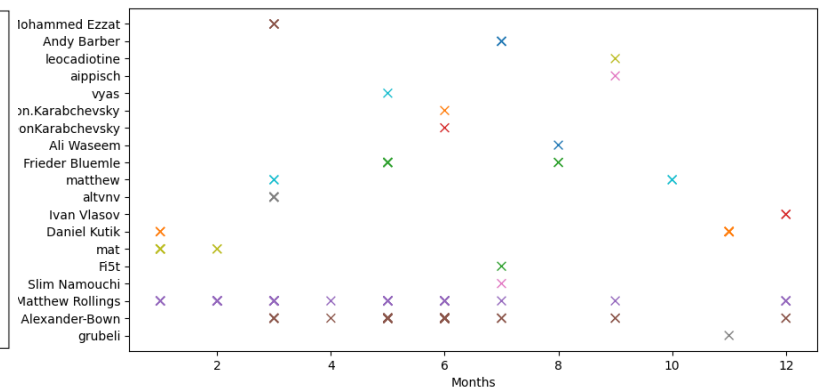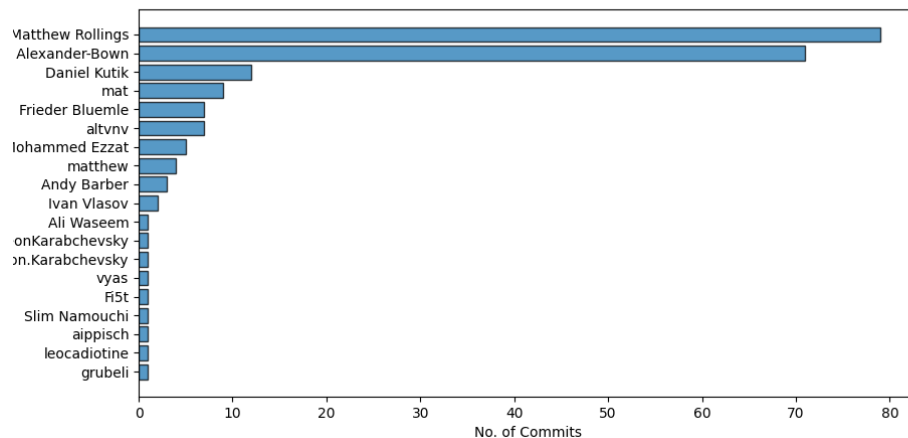

Figure 1

Figure 2

Figure 3

In *Figure 4*, we demonstrate that developers are most active in the 5th, 7th and 11th month of the year.
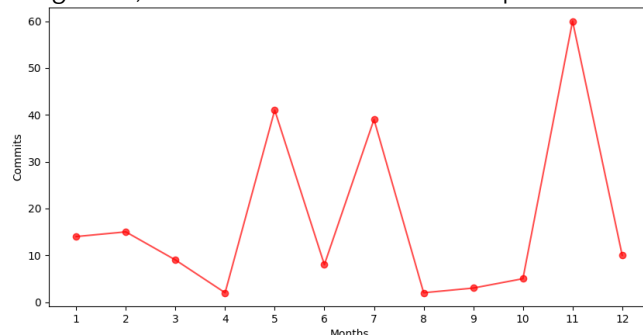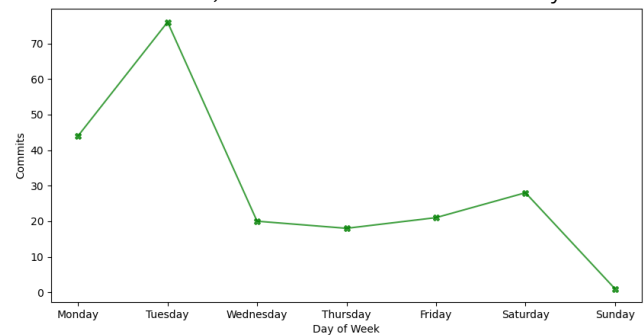

Figure 4

Figure 5

Similarly, they appear to be more productive on *Monday* and *Tuesday*, as illustrated in *Figure 5* above. This information can be utilized by management to guide key project decisions, including scheduling meetings, recognizing the most active developers, and possibly considering additional hiring

The following git commands were essential; (i) `git checkout -b [<branch_name>]`, (ii) `git add [<filename>]`, (iii) `git commit -m [<commit message>]` and (iv) `git push`