Report by: Avery Nguyen, 5006145789, nguyea26@unlv.nevada.edu
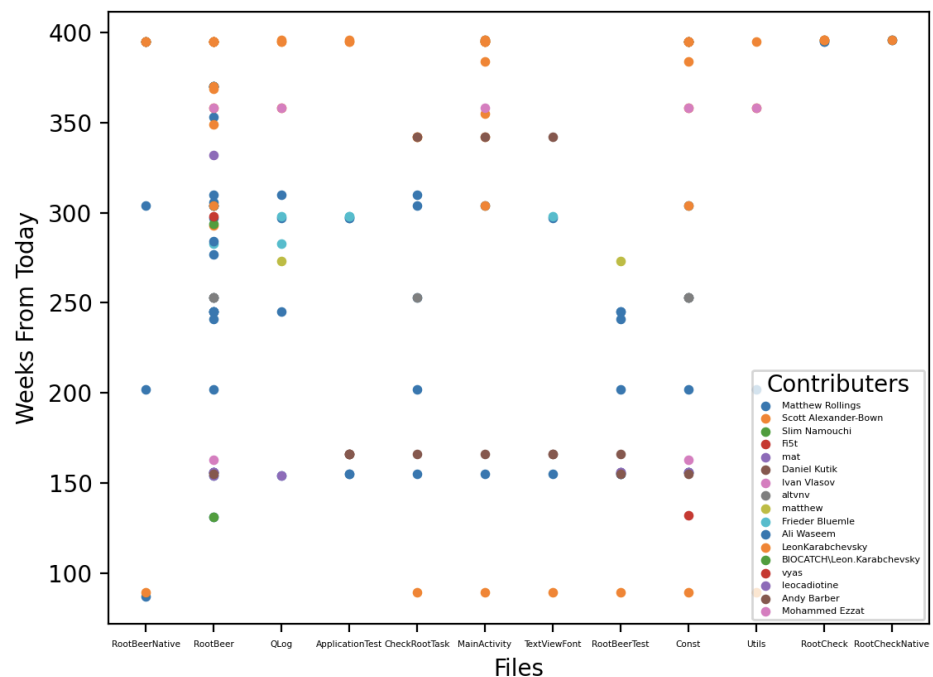
Forked Repository Link: https://github.com/akummi/cs472project/tree/repo_mining

Contribution Data:

This scatterplot displays the amount of contributions to the product files. It shows the user contributions and weeks from today. This allows you to easily see those at the bottom who have worked on the project more recently, vs those higher up who contributed to the earlier stages to development.

Summary:

This plot shows us that many users haven't worked on this project in upwards of 300 months. That means we can likely get rid of some contractors or reach out to see why they haven't been working in recent weeks. This also gives us an easy way to reach out to different developers if we have questions on specific time frames on the project. For more recent questions I would reach out to LeonKarabchevsky, and for older questions I would reach out to Scott Alexander-Brown.

Useful Scripts:

To generate this graph or do something similar to this in a different repo feel free to use my following scripts that can be found in the linked repo.

avery_authorsFileTouches.py - This script uses the github api and a user token in order to produce a csv of a python dictionary. They keys are the Authors/Contributors and the data is an array of a file they touched followed by the date they did so.

avery_scatterplot.py - This script takes the file created by the above script and creates the scatterplot. This was how the scatterplot above was created.