Seerene Coding Challenge

Seerene's daily business is the extraction of raw data from multiple sources of the software development process as well as the processing of Software Development KPIs. The following coding challenge should enable you to get an insight into the domain of our product and show us your reflection about it.

Software DEV KPIs

Implementation part

Create a python script that includes the following inputs:

- a GitHub repository URL
- a timerange (start and end date)

Imagine looking into each commit of this repository, an appearance of a file in one commit is called a *touch*. The responsible person of the commit is called the *author*. The timerange should filter the amount of commits down to only those that happened within it.

Your script should enable to compute 2 software dev metrics per code unit level:

- *num_touches*: which code units have been touched how often
- *num_authors*: which code unit has been touched by how many authors

Analysis part

Extract the data above for two repositories of your choice.

1.) Tell us why you do you think the chosen repositories is interesting from a software dev perspective
2.) Visualize the results in a meaningful way to show your findings.
3.) Compare the repositories (tell us what you would to include additionally to make your analysis even better)