

Higher Ed Code Base Proposal

Code Base Goals:

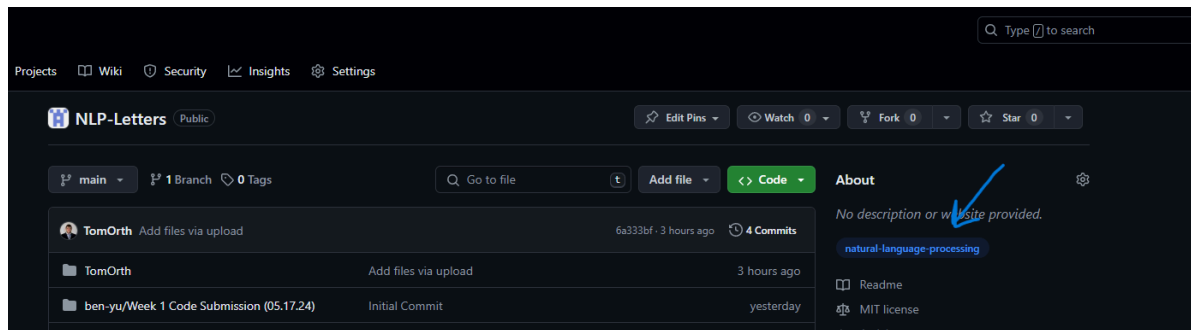
1. Code needs to be open source and easily accessible. (No “lost” code.)
2. Code contributions need to be tracked for publication attributions.
3. Code needs to be marked as either: in-progress, tested and documented, or abandoned.
4. The instructor has to clearly be able to see the code you wrote each week.

Proposed Solutions:

(1) Code needs to be open source and easily accessible. (No “lost” code.)

*Solution: Public repository in Human-Augmented-Analytics for **each project**.*

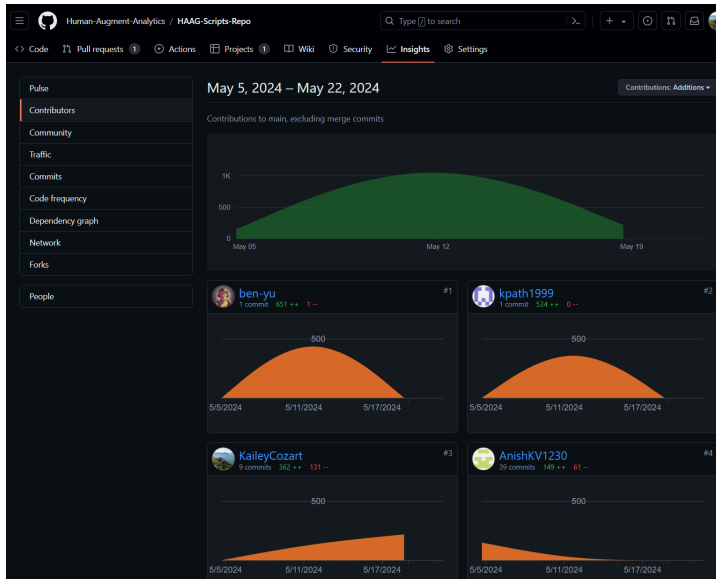
It was determined that a public repository should exist inside of Human-Augmented-Analytics for each project. This was discussed with the student researchers and talked through [here](#), but merge conflicts, repository size limits, and useability concerns for researchers were the primary reasons that this was decided. For each project repository, topics can be added, and then those topics can be searched for on the organization home page.



(2) Code contributions need to be tracked for publication attributions.

Solution: Use GitHub insights.

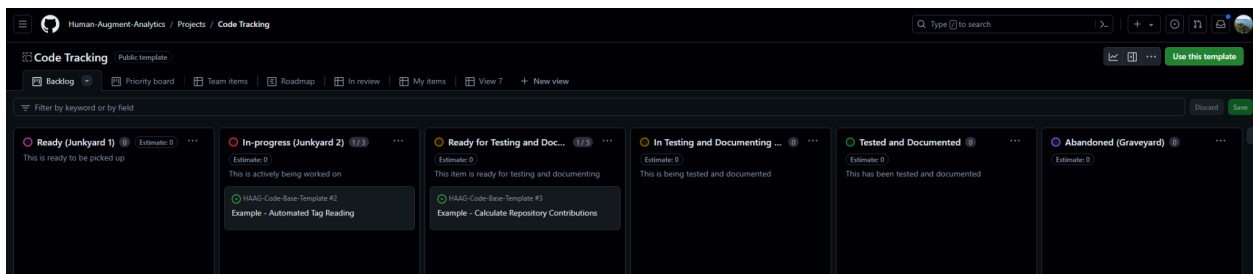
Initially, [code](#) was written to read git logs and calculate the percentage contribution of each contributor. However, it seems much more logical to just use [GitHub's insights tab](#), which is attached to each repository. One can very quickly see which contributors should be cited and you can filter by commits, additions, or deletions. See the screenshot below:



(3) Code needs to be marked as either: in-progress, tested and documented, or abandoned.

Solution: Use GitHub projects to track sections of project code.

At first, workflow [code](#) for tagging individual files was proposed, but, when talking to student researchers, it was determined that tagging each file would probably be too tedious, especially for certain projects. Instead, each project can be broken down into sections, and we can track the progress of the code through [GitHub projects](#). See the screenshot of the template below:



(4) The instructor has to clearly be able to see the code you wrote each week.

*Solution: In their report, students can give both links to the files that they worked on **and** screenshots of the code blocks from that week.*