CIVIL-465 Introduction to research skills for Engineers

Assignment 4 Reproducibility Challenge

Assignment 4.1 Submission

Share a reproducible research scripts project. The project should contain several scripts to perform a task (e.g. read in some data, do some processing, output a figure or key results) related to your research topic (defined in Assignment 1).
- ideally, these are research scripts you wrote,
- alternatively scripts you use or find in the code availability statements of a research article you found. Then identify an interesting subset of code doing a specific task, clone it to a personal repository for submission.

Format your submission as a "Code and data availability statement" that could be found in a research article. It should contain all relevant links to code/data repositories.

Code and data availability statement

Assignment 4.2 Peer-review

Reviewing criteria:

Reproducibility (80%)
- Were you able to access the repo? (Y/N)
- Was everything needed to understand the context?
- Was there a readme, an environment file, credits (authors and license)?
- Was it clear what the script(s)/software does (i.e. what result should be reproduced)?
- Were you able to reproduce? (0-100%)
- Were you able to make a slight modification and output results successfully? (Bonus points!)

Clean & documented code (15%)
- Was the project well structured?
- Was the project well documented?
- Was the code itself well documented?
- Were coding conventions followed?

Relevance to research topic (5%)
- Estimate level of complexity of the script (0-100%)
- Estimate usefulness of such script (0-100%)