

AUGUST Reflection

Github Link: <https://github.com/garrrgi/Neuroinformatics>

Goals doc:

<https://docs.google.com/document/d/1nxd9zSTWGwnrcAIXYGy9iuPiyn3DIR9Td6Vrc832U18/edit?usp=sharing>

The textbook live doc is updated on the github everytime after highlighting and reading and can be accessed from the neuroinformatics repository along with assignments.

- **Goal 1:** Reading pdf: Completed till chapter 9 until quiz front the textbook. It is easier to follow the code snippets with prior reading to the book. Though multiple revisions are needed to retain.
- **Goal 2:** Use of generative AI: Have used google mostly to look for code help. AI use has been reduced for coding or understanding text.
- **Goal 3:** Understanding and reading papers: It has become easy to understand terminologies and understand graphs and interpret them.
- **Goal 4:** Code pipeline from scratch: Can code preprocessing to some extent. Still learning for the analysis pipeline.
- **Goal 5:** Critique methodological flaws: able to critique experimental design for datasets for project as a beginner
- **Goal 6:** Updating goals and docs: Able to update but usually a day or two later. The course has been stressful.
- **Goal 7:** Understanding pipeline and methodology: slow at analyzing and interpreting but trying.
- **Wellness goal:** The course requirements are hectic and therefore usually sleeping late in order to keep up with coursework and research work. Will modify the goals to make it more flexible.

Week 1 (Aug 11) -

Read through chapter 1-4. The textbook is very well written and very easy to understand.

Week 2 (Aug 18) -

Read through chapter 5-6. Decided and discussed for the project dataset.

Week 3 (Aug 25) -

Read through chapter 7-9. Came up with project research questions. Went through preprocessing steps in class and it was an easy to understand code. Submitted comments on Preprocessing assignment questions.

Week 4 (Aug 31) -

Quiz week. Able to interpret graphs as seen in the quiz. I need to re-read a few sections of the

textbook. Later in the week I realized that project data needs to be processed to understand data structure and then to curate questions more specifically.

Overall reflection:

Goals need revision to make the learning process less hectic leaving space for things to be processed. Reading textbook is fun as it's very well written. The project dataset is to be re-evaluated as there is some issue with how the task design is.