

**From:** Meeting Summary with AI Companion no-reply@zoom.us  
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## Meeting summary for DATA-6550 | Week-B Meeting (04/01/2025)

### Quick recap

The team discussed their ongoing project, focusing on the challenges they faced and the progress they made, with a particular emphasis on the AI companion and the need for a detailed report. They also explored the inefficiencies and potential issues with a paper they were reviewing, and experimented with different batch sizes and GPU usage to optimize performance. Lastly, they discussed their upcoming tasks, including a discussion on their project and the need for better communication with their professor.

### Next steps

- Isaiah to write the paper summary and introduction sections of the report.
- Isaiah to discuss the environment setup in the report.
- Richard to write about the results in the report.
- Karson to write about resource considerations and scientific integrity implications in the report.
- Hector to write about best practices and process improvements in the report.
- Richard to include screenshots of the HPC setup and GPU usage in the report.
- All team members to complete their assigned sections of the report by 10 AM on Wednesday.

### Summary

#### AI Companion Project Challenges Discussed

In the meeting, Richard discussed his conversation with Dr. Wallen about their 1st grade project. They also discussed their AI companion and the progress of their project, which was hindered by the lack of a million epochs. Hector shared that he was running the project on his laptop with a GPU, while Isaiah and Richard were running it on their Macbooks. They decided to focus on writing a report detailing their methodology and the challenges they faced, rather than trying to achieve the million epochs. They also discussed the possibility of including some code in the report.

#### Discussing Paper Inefficiencies and Grading Process

In the meeting, the team discussed the inefficiencies and potential issues with a paper

they were reviewing. They noted that the code's performance seemed to be slowing down as the number of epochs increased, and questioned the practical applications of training something a million times. They also discussed the need for a more detailed description of the data processing steps and the results of their work. The team decided to assign sections of the report to each member and planned to include screenshots of their work on the HPC. They also discussed the grading process and the need for better communication with their professor.

### Optimizing Deep Learning Account Performance

In the meeting, Richard, Isaiah, Karson, and Hector discussed the resources and efficiency of their deep learning account. They experimented with different batch sizes and GPU usage to optimize performance. Richard shared his findings and screenshots of the process, while Isaiah suggested improvements. Hector mentioned his experience with running the 50,000 epochs, and the team agreed to continue refining their approach.

### Progress and Upcoming Tasks Discussion

Richard, Isaiah, Karson, and Hector discussed their progress and upcoming tasks. They agreed to meet on Wednesday to finalize their work and decided to have a discussion on their project. They also mentioned that they have two more tasks to complete after the current one. The last task involves AI, which they found interesting, and the sixth task is about privacy.

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