**Friday Feb 21st - with Liang (mentor)**

**Attendance: all team members**

**This Week – finish remaining tasks from last week:**

* Zhiqi had difficulties with Moirai-MoE (some important model usages missing in API), then turned to (and finalized) the Amazon Chronos model**,** then performed all tasks using this model.
* Zhiqi tried Facebook Prophet as a baseline model for comparison, and also performed all tasks.
* Bingqian continued to explore different prompts with LangChain Pandas Agent, and found out particular prompts perform much better than others.
* Ruobing finally got GPT o3-mini API, continued to work on it, but had unstable outputs from the model each time.
* Ruonan continued to work on Deepseek with slope calculation tasks, also had unstable results with the same task, still no API access, and Deepseek takes a long time when given a large amount of data.

**Next week:**

* **Zhiqi to improve Amazon Chronos time series forecasting results for data with a trend. Consider finetuning or other approaches.**
* **Ruobing to improve the results on GPT o3-mini (setting the temperature parameter, prompt slope calculation differently – maybe asking it to use all the numbers).**
* **Ruonan to improve Deepseek R1 approach to fix the error in the second case (which calculated slope incorrectly), keep trying to acquire API.**
* **Bingqian to start working on text information processing. Simulate a maintenance record field and test on LangChain Pandas Agent.**
* **Liang to work with Bingqian to generate mock-up maintenance records for LangChain processing.**

Note: Add execution time to performance metrics