**Friday Feb 7th - with Liang (mentor)**

**Attendance: all team members**

**Recap on this week:**

**1. About Literature Review**:

* Each group member presents the finding and literature review for papers we found and analyzed, with further discussion together.

**2. About Dataset**:

* Clarification on the dataset we may use: Microsoft Azure Predictive Maintenance dataset; ASRS (Aviation Safety Reporting System) Database Online; and other datasets we are interested in.

**3. About Task Procedure**:

* Text-2-sql to get sql to retrieve the data from the database (already in use and we can assume we already have the retrieved data);
* Try to make use of LLM-based models to bypass coding — construct the prompt to let the LLM do the task automatically – we need to find suitable LLM-based models and design proper prompts.

**Next week:**

* **Refine Lit Review, 2 pages max**
* **Try Toy Problem with tasks threshold exceedance & slope calculation, use PdM\_telemetry.csv from Predictive Maintenance dataset, focus on numerical data, can modify data if needed, try some INNOVATIVE prompts with LLM.**
* **Each team member deal with one model assigned (Time-MoE, Deepseek R1, GPT o3-mini, LangChain Pandas)**
* **Discuss about performance metrics, meet frequently within the team if needed.**