

Date	Topic	Description	Time Spent	Operator	Note
11/12/2024	Group first meeting	Discussed about the topics, datasets and how we working style.	2 hour	Wanpin	Not totally decided, we will need to make it work later.
17/12/2024	Group meeting	Define the problem statement with weather and grin	2 hour	Wanpin	High fever,
18/12/2024	Data prepared	Start to find the data between weather and stocks price	4 hour	Wanpin	High fever, 39.9.
19/12/2024	Data prepared	Weather data downloaded	3 hour	Wanpin	
20/12/2024	Data prepared	Production data downloaded	2 hour	Wanpin	
23/12/2024	Data processing	Cleaned the data and combined	4 hour	Wanpin	Recognizing that the link between broad weather data and the regionality of planting is weak, yield forecasts based on the year are more granular and may require adjustments to research strategies or find the new dataset.
24/12/2024	Data processing	The dataset is not suitable. The existing weather conditions in the United States are not suitable for planting areas. A new dataset needs to be found.	4 hour	Wanpin	
25/12/2024	Finding Dataset	The required dataset could not be found	3 hour	Wanpin	
26/12/2024	Finding Dataset	The required dataset could not be found	3 hour	Wanpin	
27/12/2024	Finding Dataset	Failed to find the suitable dataset. Changed the crops choice.	3 hour	Wanpin	
28/12/2024	Finding Dataset Data processing Read related papers	From the existing data set, infer the varieties suitable for planting and find the annual yield data set of the variety. Weather data is 2004-2024. Data cleaning, deal with the missing value and outlier. Created the new features, EDA.	7 hour	Wanpin	
29/12/2024	Data processing Connect Mongo DB	Continue working in dataset, at the same time, tried to connect to Mango DB.	2 hour	Wanpin	Feeling unwell, ear infection
30/12/2024	Data processing	Sick		Wanpin	Sick, fever...
31/12/2024	Data processing	coding for algorithms	3 hour	Wanpin	Sick
1/1/2025	Created the Github Repositories	Created the Github Repositories for the project, and invited all the team member as the collaborators. Upload my dataset in the github. Mango DB only connect on local host, so I changed the path retrived the data from github.	3 hour	Wanpin	
2/1/2025	Data processing/ Evaluation Process	Based on the original topic, I found that my data was not enough to support the research in this area and no results were produced. So I keep my work in coding and also explored the second topic of whether the weather in the region has warmed up in the past 20 years in terms of machine learning based on the weather data package.	3 hour	Wanpin	
3/1/2025	Project Report	Constructing a report and organizing the findings from the research.	3 hour	Wanpin	
4/1/2025	Project Report		1 hour	Wanpin	
5/1/2025	Video		10 hour	Wanpin	
6/1/2025	Submission Deadline 9 am				