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| meeting Minutes | |
| Week 2 | |
| Date: | 07/09/2023 |
| Time: | 7pm |
| Minutes Taken by: | Mark |

# In attendance

Charlet, Hao, Louis, Mark

# Actions/Tasks

* **Hao:** Book meeting with Wei Tian 12th Sep Monday 5pm
* **Charlet:** Get github running. Pass github ID to Louis
* **All:** Sign up for GitHub Student Developer Pack ([GitHub Student Developer Pack - GitHub Education](https://education.github.com/pack))
* **All:** Update agenda for meeting with Wei Tian by Sunday Morning (<https://unsw.sharepoint.com/:w:/r/sites/TeamL188/Shared%20Documents/Meeting%20Agendas/0911500%20-%20Wei%20Tian.docx?d=wed7455a106094a96acbcfdb441277e60&csf=1&web=1&e=SUqX8Y>)
* **Mark:** Identify new free data sources for Meteorological data
* **Mark:** Push unzipped data files into the github
* **Hao & Charlet:** Work together to start data analysis. Boxplot to show like the distribution of demands throughout different different seasons.
* **Hao & Charlet:** Compare AEMO forecast to the actuals to get a sense of accuracy
* **Mark:** Research to justify 1 hour time frame
* **Mark:** Research into different generator start up times to build case for short term forecast
* **Mark & Louis:** Research on methods to use for modelling
* **Mark:** Start Presentation file
* **All:** Everyone to begin familiarising themselves with the data

# Decisions/Discussion

* Use 1 hour forecast intervals
  + External data is all 1hour.
  + 30min forecast might just be interpolated from the 1 hour forecast
  + Need to justify with a business reason why 1 hour forecast is sufficient
  + What does a 1 hour forecast interval bring to our client
  + Important for presentation
* All decisions/assumptions with regard to the data or methodology needs to be highlighted in the comments of the code or noted somewhere so that it can be included in the report
* Need to have a comprehensive overview of the different models used.
  + What smoothers were chosen?
* Research Question needs to be finalised
  + Forecast interval/forecast period
  + More research to be done
  + Wiil be focused on the client being a short start up electricity generator so that we can focus on forecasting 24 hours ahead.
* How to Benchmark?
  + Estimating variation of forecast
  + Compare against AEMO forecast
  + Need to research exact method of AEMO forecast.
* External Data
  + Need to find free data. Can be daily data if that’s all that is available
* Is the presentation presented live or just recorded?
  + Find out from meeting with Wei Tian

## Next Meeting on Thursday 14th September at 7pm.