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| AGENDA | |
| Week 4 | |
| Date: | 19/09/2023 |
| Time: | 7pm |

# In attendance

Armin Chitizadeh, Charlet, Hao, Louis, Mark

# Actions

# Topics for discussions

* + Outline of our current direction
    - Investigate methods to product rolling 1 hour forward demand forecast
      * Only choosing 1 forecasting tenor
    - Audience/Clients: Quick start electricity generator (Gas, Pump Hydro, Battery)
    - Using Meteorological data (Hourly Temperature, Daily Solar Radiance [Solar PV impact), Rainfall [Indoor Effect]), with seasonality/cyclicality applied
      * Unable to get hourly meteorological data so sticking with what’s available.
      * Unable to get humidity, wind speed etc
    - Benchmark against transformed 30min AEMO demand forecast
      * Aim to produce a forecast that can perform better than AEMO Forecast
    - Methods:
      * LASSO
      * ARIMA
      * SVM
      * Random Forest Regression
    - Data Analysis/Programming Tool: R

# Blockers

* + How to deal with gaps in the data
    - Averaging
    - Removal – Difficult due to time series