**Notes 6 pm 10 April**

**Sonit Singh**

**Attendees: Santosh, Kiara, Mathew**

**In final report:**

* Provide URL of the github repository
* Execute all the cells
* Section headings / commentary
* Approximately
* Approx. 5 pages literature review
* Approx. 2 pages for data description
* Approx. 8-10 pages EDA

**For presentation:**

* Title slide, members names with zIDs, have your face shown on the recording
* Who is speaking, name on the footer or on the top
* Introduction / Motivation
* 2 slides for data description
* 3-4 slides for EDA
* 4 slides for modelling
* 1 slide for discussion
* 1 slide for summary / conclusion
* First person should start with motivation and introduce the project
* Cover the 2 slides on 2 data sources
* 1st person jumps back in for discussion / conclusion
* Assume the audience know what each model means

**Auto Regression:**

Check statmodel documentation and find seasonal decompose and find what arguments we should be passing.

Inverse transform function is the opposite of MinMaxScaler to make the data stationary.

Check the assumptions

See Sonit’s link SARIMA might be best for seasonal data

**Correlation plots:**

Scatter plot of temperature on x axis and demand on y axis, get the correlation value instead of a plot. Correlation is not causation.

**LSTM:**

Check the data distribution, maybe we are regularizing too much