Meeting Minutes

Meeting Title: Project Meeting

Date: 26th August 2022

Time: 14:00-15:00

Attendees: Matthew Greenwood-Nimmo, Yuqi Cao, Zhiyuan Gao, Rui Wang, Zoe Wu, Weize Cai

Notes:

- Use ADF test to check for stationarity of models of each state and find out that 42 out 51 states are non-stationary

- log transformation on data gives better results

- decomposition does not work well on our data

- reconciliation shows no better result

- Ljung-Box test shows that the residuals of the models generated from autoArima do not always look like white noise, indicating that we need to adjust the parameters manually

Roles:

- Zhiyuan Gao: continue to work on reconciliation

- Rest of us: adjust ARIMA models