Meeting Minutes

Meeting Title: Project Meeting

Date: 12th August 2022

Time: 14:00-15:00

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

Notes:

* Joyce’s suggestion to work on VAR model and find correlation with variables. However, a VAR model requires more variables, Matthew suggested to focus more on ARIMA model.
* Try to do reconciliation and compare with bottom-up and top-down.
* Use differencing method to refine ARIMA model on each state.
* Kasun suggested to check with log transformation (apply log for the time series and then apply ARIMA. Afterwards, retransform the forecasts by taking the exponential), decomposition (remove the seasonal component using STL and then apply ARIMA on the trend + residuals).

Roles:

* Zhiyuan Gao: try to do reconciliation
* Yuqi Cao: Working on differencing method to refine ARIMA
* Rui Wang: log transformation
* Weize Cai, Yuqi Cao and Zoe Wu: decomposition