1 on 1 Project Meeting

Monday, February 1, 2021   9:28 AM

Blue text indicates information discussed with Prof Small

First, we reviewed my last assignment submission, which was Formal Model Development in the Airline operating time series project.

Then we discussed some other topics for this project:

Need to continue compiling Bibliography for inclusion in the final paper

My questions:

- Some findings from initial Data Exploration were inconclusive or just kind of fun to poke at briefly, but never fully investigated - should they be included as I proceed further?
    - In the final paper, they can be included as Footnotes or brief comments if absolutely necessary, but leave it out if not advancing the narrative
    - My decision to model American Airlines only based on 48 months of data came from a relevant observation in Exploratory analysis, so I should definitely keep that in.

- **3 components of the final paper:**
- Perform tests to guide variable selection/feature selection.
    - Choice of dependent variables - which we've done by auto-arima, AIC metrics

- Refine and revise your statistical model. Provide an argument that your statistical model does a good job capturing representing your data-generating process.
    - This is what I've already done with my process for ARIMA model in R

- Use an appropriate statistical estimation procedure to estimate the unobserved parameters of your statistical model.
    - Using auto-ARIMA to estimate MA/AR coefficients

- For class presentation:
    - Use RMD to create a version of a pdf slide deck
    - Present the question, solution, and methodology
    - Show the COVID realization on the same graph as the forecasts