Fourth Meeting Notes

DL

3/4/2022

Things to consider:

- Why is there a decrease in the mean of total waste tonnage collected from the Bronx from 2010 - 2015?
- Did the DSNY collect waste thoroughly during that time?

    – Perhaps there was an exodus of people leaving NYC

- Investigate the increase in 2020 waste tonnage

    – Perhaps the pandemic was the route cause of this

- Research the textbook to take into account seasonality

Goal for next meeting:

- Create a new ARIMA forecast on total_waste values

    – p=0, 1, 2
    – q=0, 1, 2
    – look at AIC and BIC

- Update the fourth meeting word document

    – Prioritize updating the ARIMA models
    – Add a forecasting precision
    – Add prediction accuracy
    – Add the forecast models onto a plot with either the total waste values or differenced values

- Explore the economic index, as a predictor variable
- Then try population values if possible

    – You will need to find them per month, and specifically for each borough

- With time permitting, explore dynamic regression