Analytics Extra Mentorship Program 1.0 Group Competition

Project Description.
Create an interactive report with Power BI.
Team work is extremely important, make sure you work together.
Each Group has 2 weeks to complete and submit this project.
Deadline - 7th October 2024

As a minimum:
- Provide a view of crime over 5 years for Atlanta (ie Atlanta Police Department) and forecast the next 18 months of crime within the same chart
- Provide a breakdown of the number of crimes by different crime types
- Rank each of the neighborhood / Zone by the crime rate (number of crimes / population)
- Show crimes on a map with a drilldown from Neighborhood to crime location level
- Show crime rate based on Race and Ethnicity Diversity Populations in Atlanta
- Show whether the population has had an impact on crime within areas
- Show whether Lockdown / Work from home affect Crime rate.

And any other reports you can think of.

Data sources
Atlanta Police Department
https://opendata.atlantapd.org/
Data
(Include all the possible fields from the top right eye icon before you download)
(Download the data from the top right action action)
https://experience.arcgis.com/experience/76b68b923a094fb5a2d193ace5ccb975/

Atlanta Neighborhood Population
https://en.wikipedia.org/wiki/Table_of_Atlanta_neighborhoods_by_population#:~:text=Adair%20Park

Race and Ethnicity Population
https://datausa.io/profile/geo/atlanta-ga/

Tips.
- Look for additional yourself, if needed.

- Make sure you are able to demonstrate your data model, DAX calculations, data ingestion and design flair