Section 1

CONTEXT: The project's objective is to conduct a descriptive analysis of existing data and discover actionable insights for the business strategy team to help make informed decisions that will circumvent availability issues and ensure the company's position as a leader in eco-friendly transportation solutions in the city.

Planning a Dashboard

- Data Sources:
 - NYC Bike Share Usage Data 2022
 - o NOAA, NYC Weather Data

The Dashboard should be a 'strategic' style dashboard, containing long-term KPI reporting which showcases the breadth of the available data which has been collected (Spanning 1 year). The Dashboard will provide a high-level overview of important KPIs such as;

- Overall Usage (Monthly Temporal, Line Chart) Measured either in length of trip OR qty of trips
- Most Frequently Used Start Points / End Points (Categorical Bar Chart)
- Least Used Start Points / End Points (Categorical Bar Chart) **OR both expressed in a Map view to provide geographical context.**
- Average Weather Temp vs Usage (Monthly / Weekly Bi-Variate Line chart OR Scatterplot if we to review correlation instead – but that would be more research based, rather than general strategic KPIs)
- Bike Availability Do some stations contain a surplus of inventory? Are some stations illequipped to meet demand? (Explore possible options for showcasing data Express as a ratio? Bar Chart Showing top 5 Under serviced / Over serviced)