**Open-source Libraries used by Team 3 for the Interim Project**

Everyone used:

**Pyodbc** - used to communicate with AdventureWorks2019 Database

**pandas** - used to transform the SQL query statements into a dataframe to be used for visualization

**numpy** - mainly used to calculate regression lines and in some cases alter values to translate into dot size for scatter plots

**matplotlib** - primarily used for creating visualizations

Ruzzel also used:

**seaborn** - used to create and visualize pair plots  
**statistics** - used to find averages of data and show on boxplot

Sava also used:

**defaultdict** - from the collections library, stored dataframes from SQL statements into dictionaries

Silk also used:

**“From scipy.stats import linregress”** - used for correlation and trendline