***Package Used in EDA***

***Pathlib***

The **pathlib** module was first included in **python** 3.4 and has been enhanced in each of the subsequent releases. **Pathlib** is an object-oriented interface to the filesystem and provides a more intuitive method to interact with the filesystem in a platform agnostic and pythonic manner.

It instantiates a concrete path for the platform the code is running on. ... Pure paths are useful in some special cases; for example: If you want to manipulate Windows paths on a Unix machine (or vice versa).

***NumPy***

**NumPy** is an open-source numerical **Python** library. **NumPy** contains a multi-dimensional array and matrix data structures. It can be utilised to perform a number of mathematical operations on arrays such as trigonometric, statistical, and algebraic routines. ... Pandas objects rely heavily on **NumPy** objects.

***Matplotlib***

**Matplotlib** is a plotting library for the **Python** programming language and its numerical mathematics extension **NumPy**. It provides an object-oriented API for embedding plots into applications using general-purpose GUI toolkits like Tkinter, wxPython, Qt, or GTK+. ... SciPy makes **use** of **Matplotlib**.

***Seaborn*** 0.9.0

Seaborn is a library for making statistical graphics in Python. It builds on top of [matplotlib](https://matplotlib.org/) and integrates closely with [pandas](https://pandas.pydata.org/) data structures.

Seaborn helps you explore and understand your data. Its plotting functions operate on dataframes and arrays containing whole datasets and internally perform the necessary semantic mapping and statistical aggregation to produce informative plots. Its dataset-oriented, declarative API lets you focus on what the different elements of your plots mean, rather than on the details of how to draw them.

**Pandas** 1.1.5.

**Pandas** is mainly used for data analysis. **Pandas** allows importing data from various file formats such as comma-separated values, JSON, SQL, Microsoft Excel. **Pandas** allows various data manipulation operations such as merging, reshaping, selecting, as well as data cleaning, and data wrangling features.

**SciPy :**

**SciPy** is an open-source **Python** library which is **used** to solve scientific and mathematical problems. It is built on the **NumPy** extension and allows the user to manipulate and visualize data with a wide range of high-level commands