**PyBer\_Analysis**

OVERVIEW of ANALYSIS

V. Isualize has Omar and I with this assignment. I am to use Python skills and knowledge of Pandas to create a summary Dataframe of the ride-sharing data by city type. After creating this Dataframe, I am to use Pandas and Matplotlib to create a multiple-line graph that shows the total weekly fares for each city type. This will then allow me to submit a report to summarize how the data differs by city type and how those differences may be used stakeholders at PyBer.

ANALYSIS

Graphical user interface

Description automatically generated with medium confidence

This graphic demonstrates that least drivers are found in rural areas. Rural areas also are the most expensive and the average fare per driver is also the highest. The most drivers are found in urban areas and it has the cheapest rides. Suburban areas are in the middle of the spectrum as we consider the three areas.

Chart, line chart

Description automatically generated

The above graphic shows the total fare by city type and urban areas show the highest fare and the rural the lowest.

SUMMARY

It is probably better to be a driver in a rural area, but the demand is also lower in this area. It was found that revenue is generated at a higher rate in urban areas. It may be important to understand the customers in these areas to market differently to increase revenue and what the customers actually want. We can also consider the duration of the ride to determine the effect on the fare amount. The driver is likely committed to a longer amount of time with the longer duration in distance driven.