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Data Analytic Bootcamp – Week 5 Matplotlib

1. From the scatterplot Pyber Ride Sharing Data, we are able to fully detail the differences in city type and fares. In rural cities, the average fare is much higher but there are a far less number of rides. This is compared to Urban city rides, where there are fewer average fees but a higher amount of total rides. This is a brilliant illustration of supply and demand. There is a higher supply of ride shares available in urban cities, this brings about less demand so the fares are cheaper.
2. The second graph is able to detail the Percentage of Total Fares by City Type. This information highlights that urban city types take in the most amount of total rides, and the second pie chart, Percent of Total Drivers by City Type, follows up that the Urban City types contains the highest amount of drivers. Again this shows supply and demand as the urban city supplies the most rides so it demands more drivers.
3. From a business perspective, the graphs showcase that the best place to invest would be in Suburban areas, as rural cities provide the highest payoff, but are too risky with such a low number of rides at 6.81%. While the urban cities have the highest percentage of fares at 62.72% with the highest number of drivers at 80.89%. This means there will be more payments to more pockets. Suburban cities are the safest choice as they have the second most percentage of rides at 26.32%.