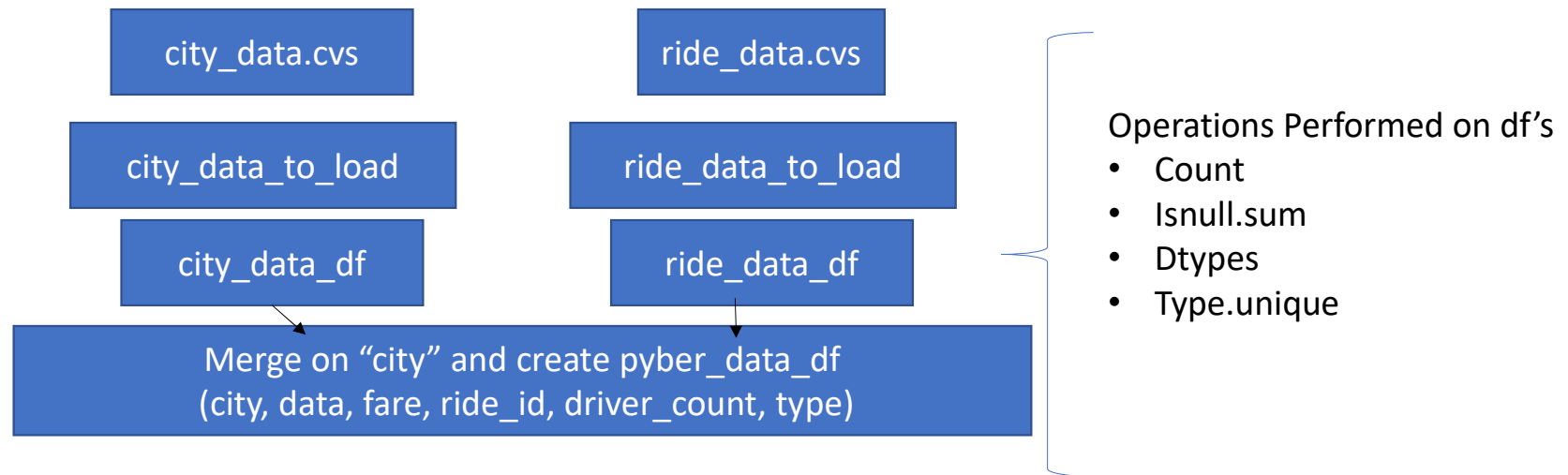


PyBer Analysis

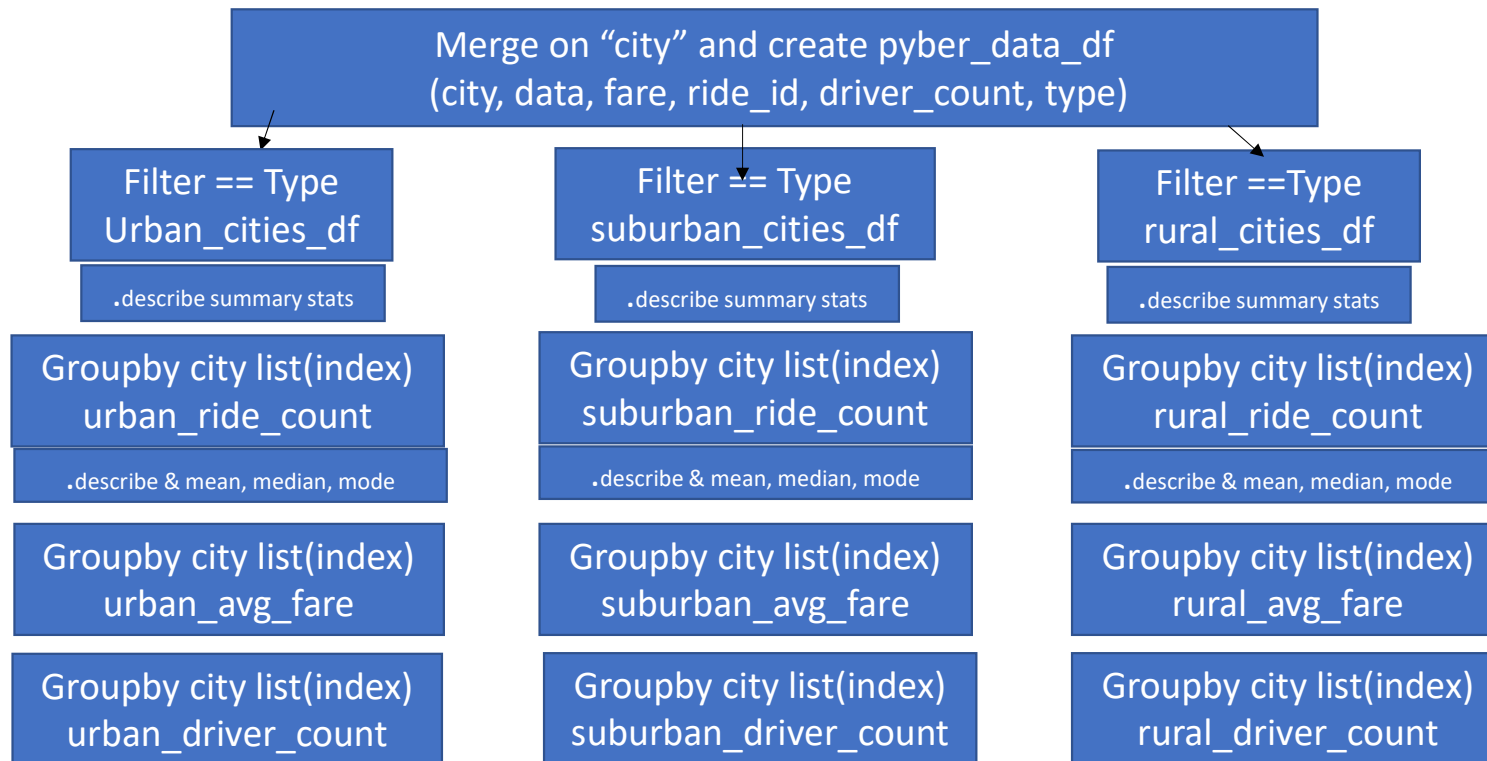
DataFrame Tree

Data Exploratory Phase



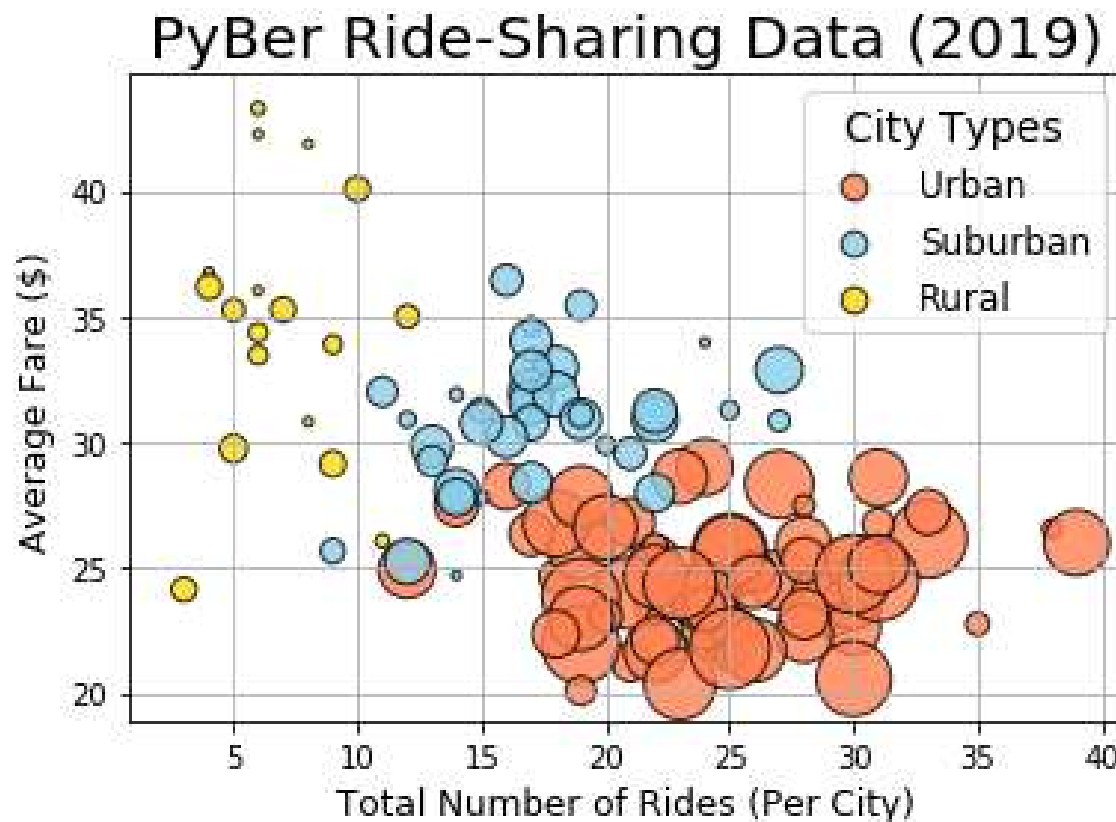
* No missing data was found in either df.

City Type DF's & Lists Created from pyber_data_df



Scatter Plot Combining All 9 Lists

(3 parameters: ride_count, avg_fares_driver_count)



Note:
Circle size correlates
with driver count per city.

Additional Lists and Stats Produced For Box and Whisker Plots

Filter == Type
Urban_cities_df

.describe summary stats

Create list
urban_fares

Calculate mean, median, mode

Create list
urban_driver_count

Calculate mean, median, mode

Filter == Type
suburban_cities_df

.describe summary stats

Create list
suburban_fares

Calculate mean, median, mode

Create list
suburban_driver_count

Calculate mean, median, mode

Filter ==Type
rural_cities_df

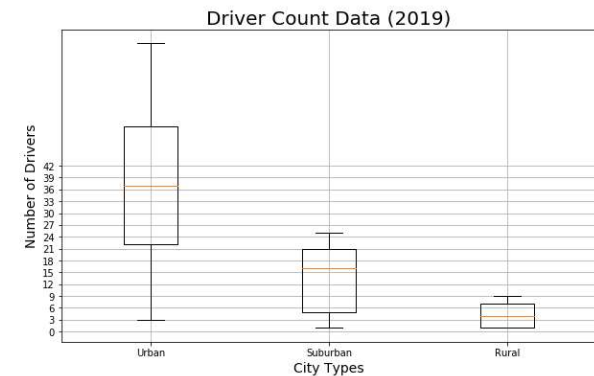
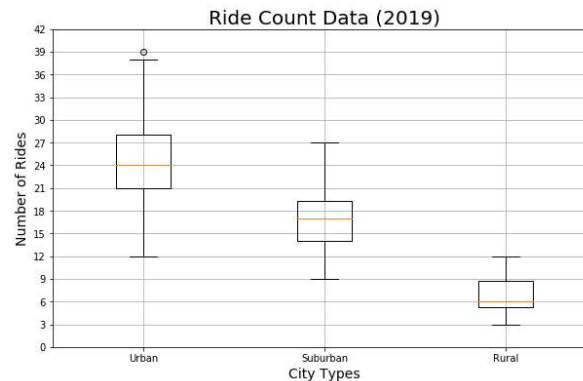
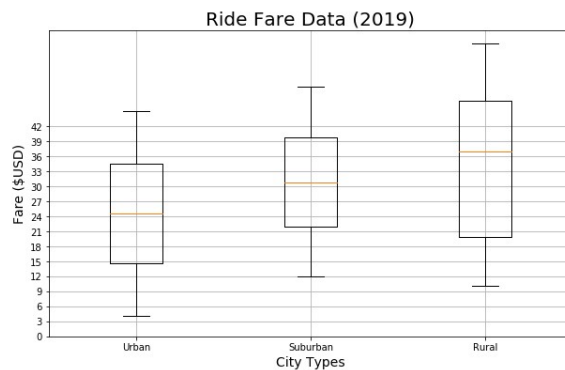
.describe summary stats

Create list
rural_fares

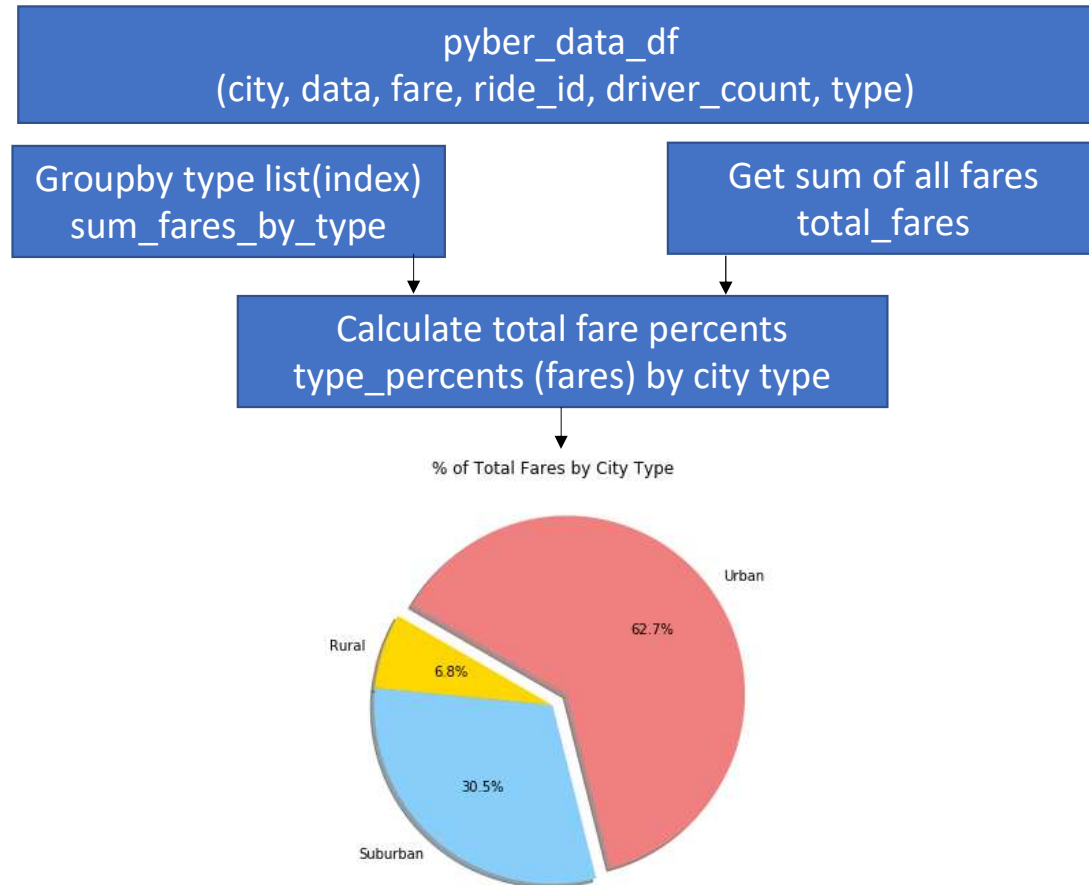
Calculate mean, median, mode

Create list
rural_driver_count

Calculate mean, median, mode



Groupby Lists and Calcs Produced Pie Charts



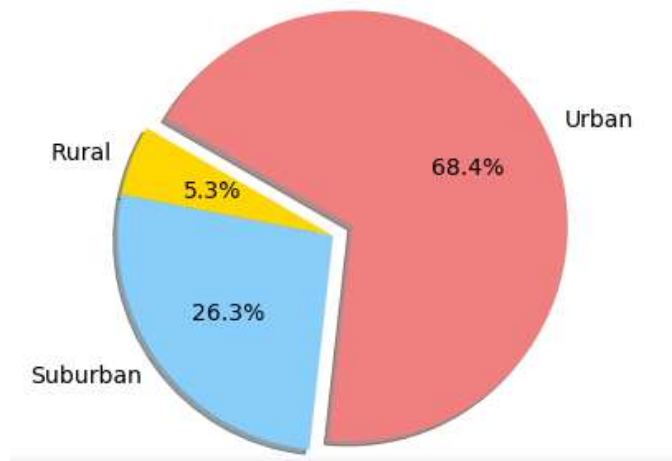
pyber_data_df
(city, data, fare, ride_id, driver_count, type)

Groupby type list(index)
ride_id_percents_by_type

Get sum of all ride_id
total_ride_id

Calculate percent by city type
ride_percents by city type

% of Total Rides by City Type



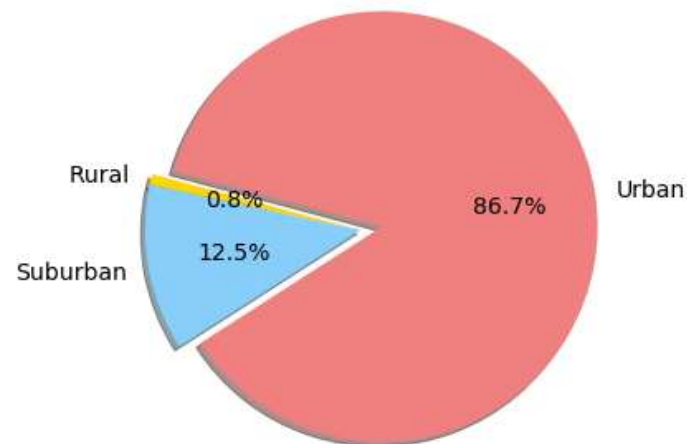
pyber_data_df
(city, data, fare, ride_id, driver_count, type)

Groupby type list(index)
driver_count by city type

Get sum of all drivers
driver_count

Calculate percent by city type
driver_percents by city type

% of Total Drivers by City Type



Challenge 5 – Summary DF

