pyber_starter.ipynb 143 KB

```
%matplotlib inline
# Dependencies and Setup
import matplotlib.pyplot as plt
import pandas as pd
import numpy as np

# File to Load (Remember to change these)
city_data_to_load = "data/city_data.csv"
ride_data_to_load = "data/ride_data.csv"

# Read the City and Ride Data

# Combine the data into a single dataset

# Display the data table for preview
```

In [1]:

	city	date	fare	ride_id	driver_count	type
0	Lake Jonathanshire	2018-01-14 10:14:22	13.83	5739410935873	5	Urban
1	South Michelleport	2018-03-04 18:24:09	30.24	2343912425577	72	Urban
2	Port Samanthamouth	2018-02-24 04:29:00	33.44	2005065760003	57	Urban
3	Rodneyfort	2018-02-10 23:22:03	23.44	5149245426178	34	Urban

	city	date	fare	ride_id	driver_count	type	
4	South Jack	2018-03-06 04:28:35	34.58	3908451377344	46	Urban	

Bubble Plot of Ride Sharing Data

In [2]:

Obtain the x and y coordinates for each of the three city types

Build the scatter plots for each city types

Incorporate the other graph properties

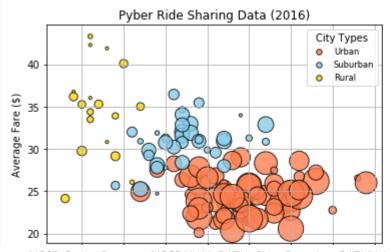
Create a Legend

Incorporate a text label regarding circle size

Save Figure

In [3]:

Show plot
plt.show()



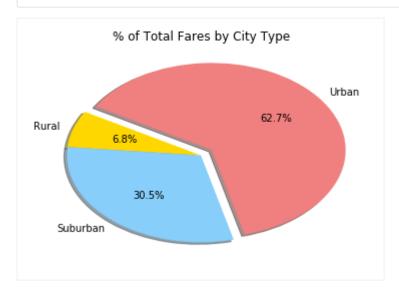
Note: Circle size correlates with driver count per city. 5 10 15 20 25 30 35 40 Total Number of Rides (Per City)

Total Fares by City Type

- # Calculate Type Percents
- # Build Pie Chart
- # Save Figure

In [4]:

Show Figure
plt.show()



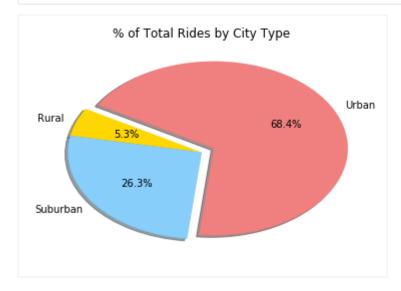
Total Rides by City Type

Calculate Ride Percents

- # Build Pie Chart
- # Save Figure

In [5]:

Show Figure
plt.show()



Total Drivers by City Type

- # Calculate Driver Percents
- # Build Pie Charts
- # Save Figure

In [6]:

Show Figure
plt.show()

% of Total Drivers by City Type

