# You can ask various questions and perform different analyses on the data based on the available columns. Here are some example questions and analyses you can consider:

# **Ride Duration Analysis**:

# What is the average ride duration?

# What is the distribution of ride durations?

# Are there any outliers in ride durations?

# **Rideable Type Analysis**:

# How many rides were taken on each type of rideable (e.g., standard bike, electric bike)?

# What is the average ride duration for each rideable type?

# Is there a correlation between rideable type and ride duration?

# **Start and End Stations Analysis**:

# Which start station is the most popular?

# Which end station is the most common destination?

# Are there any patterns or trends in station usage by time of day or day of the week?

# **Member vs. Casual Rider Analysis**:

# How many rides are taken by members vs. casual riders?

# What is the average ride duration for members vs casual riders?

# Is there a difference in usage patterns between members and casual riders?

# **Geospatial Analysis**:

# Are there any geographic patterns in ride start and end locations?

# Can you visualize the ride data on a map to identify popular routes or areas?

# Are there any trends in ride locations by rideable type?

# **Temporal Analysis**:

# Are there any trends in ride counts by time of day, day of the week, or month?

# Are there any seasonal variations in ride counts?

# Is there a difference in ride patterns between weekdays and weekends?

# **Correlation Analysis**:

# Are there any correlations between variables (e.g., ride duration and distance, rideable type and rider type)?

# Can you identify any interesting relationships between the columns in the dataset?

# **Outlier Detection**:

# Are there any unusual or outlier data points in the dataset, and what could they signify?

# Can you identify and explain any extreme values in the data?

# **User Behavior Analysis**:

# Do certain users or groups of users exhibit specific ride patterns or preferences?

# Can you segment users based on their ride history or behaviors?

# **Predictive Analysis**:

# Can you build predictive models to forecast future ride counts or durations based on historical data?

# What factors are most influential in predicting ride outcomes?

# These are just a few examples of the questions and analyses you can perform with the dataset. The specific questions you should ask will depend on your objectives and what insights you want to gain from the data.

Here are the columns to query in the data-----------

ride\_id-----

rideable\_type-----

started\_at-----

ended\_at-----

start\_station\_name-----

start\_station\_id-----

end\_station\_name-----

end\_station\_id-----

start\_lat-----

start\_lng-----

end\_lat-----

end\_lng-----

member\_casual