### Summary Statistics:

- \*\*Latitude and Longitude\*\*:

- `start\_lat`: Mean = 41.903, Std = 0.045, Min = 41.648, Max = 42.070

- `start\_lng`: Mean = -87.647, Std = 0.028, Min = -87.870, Max = -87.528

- `end\_lat`: Mean = 41.904, Std = 0.046, Min = 41.620, Max = 42.110

- `end\_lng`: Mean = -87.647, Std = 0.028, Min = -87.910, Max = -87.528

### Trends Over Time:

- \*\*Number of Rides Per Day\*\* (First 5 days of May 2023):

- 2023-05-01: 6,825 rides

- 2023-05-02: 12,906 rides

- 2023-05-03: 15,229 rides

- 2023-05-04: 19,876 rides

- 2023-05-05: 23,337 rides

- \*\*Number of Rides in May 2023\*\*: 604,117 rides

- \*\*Rides Per Day of the Week\*\*:

- Monday: 78,351 rides

- Tuesday: 100,956 rides

- Wednesday: 98,815 rides

- Thursday: 83,881 rides

- Friday: 74,923 rides

- Saturday: 83,939 rides

- Sunday: 83,252 rides

### Average Ride Duration:

- \*\*Average Duration of Rides\*\*: 16.21 minutes

Would you like to delve into any specific analysis or visualization based on these insights?

Here are the visualizations based on the bike trip data:

1. \*\*Number of Rides Per Day in May 2023\*\*: This line chart shows the daily ride counts throughout May 2023, highlighting trends and variations over the month.

2. \*\*Number of Rides Per Day of the Week\*\*: This bar chart indicates the total number of rides for each day of the week, showing which days are more popular for riding.

3. \*\*Distribution of Ride Durations\*\*: This histogram with a density plot illustrates the distribution of ride durations, indicating how long rides typically last.

Would you like to explore further analysis or additional visualizations?