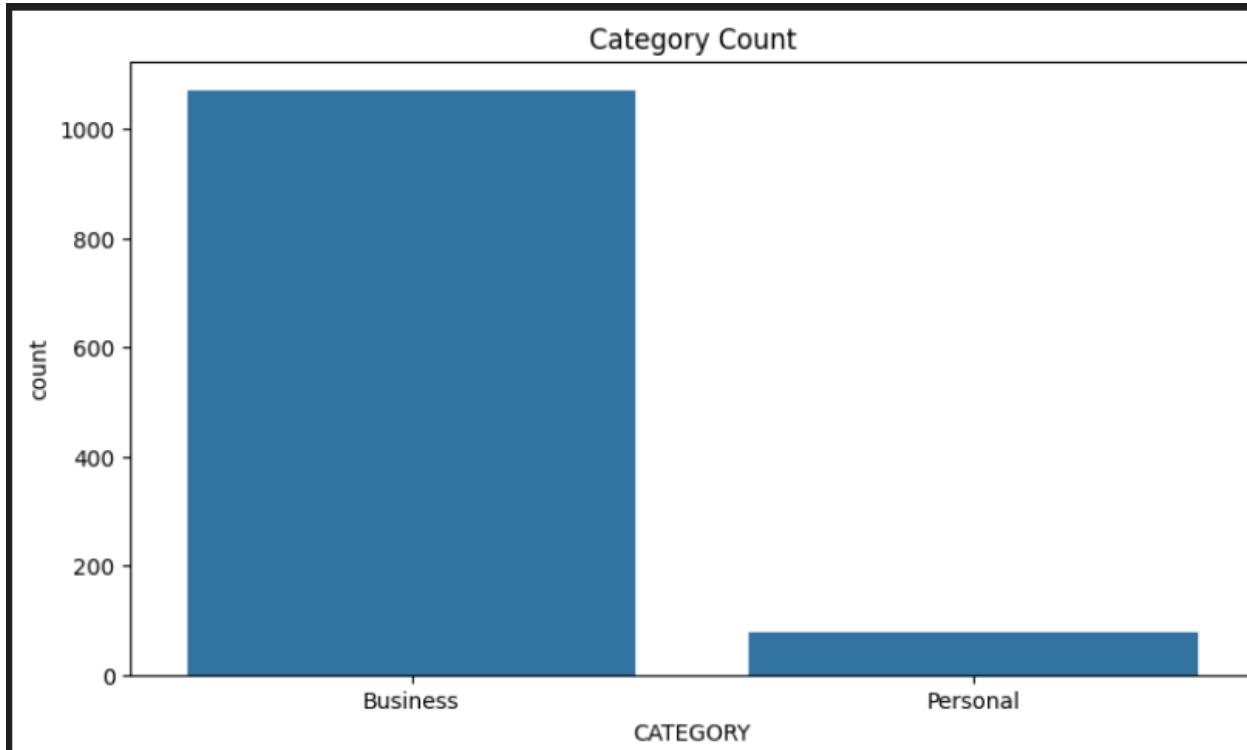


Problem Statement

1. In which category do people book the most Uber rides?



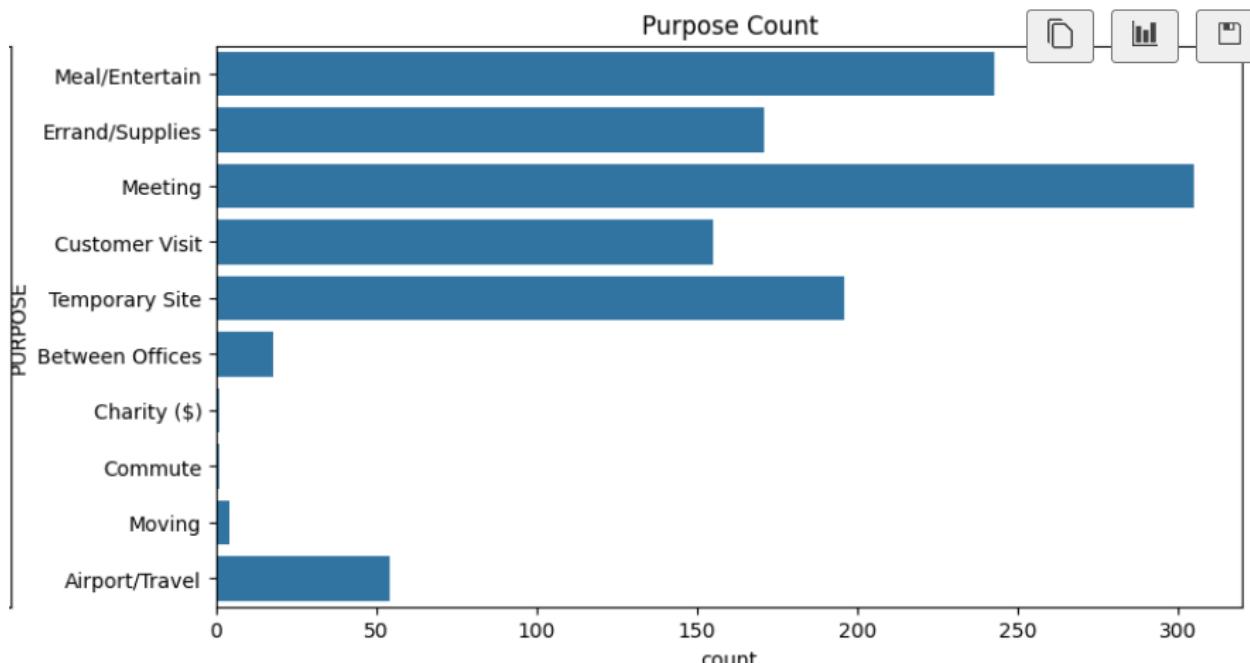
Output:

Looking at your **Category Count chart**, the answer is clear:

- **Most booked category:**
 - **Business rides** dominate the dataset.
 - The bar for **Business** is significantly taller (slightly above 1000 rides), compared to **Personal** (just above 100 rides).

- **Explanation:**
 - **Business category:** People book far more Uber rides for business purposes — commuting to work, client meetings, airport transfers, etc.
 - **Personal category:** While present, it's much smaller, suggesting fewer rides are logged as personal trips.

2. For which purpose do people book Uber rides the most?

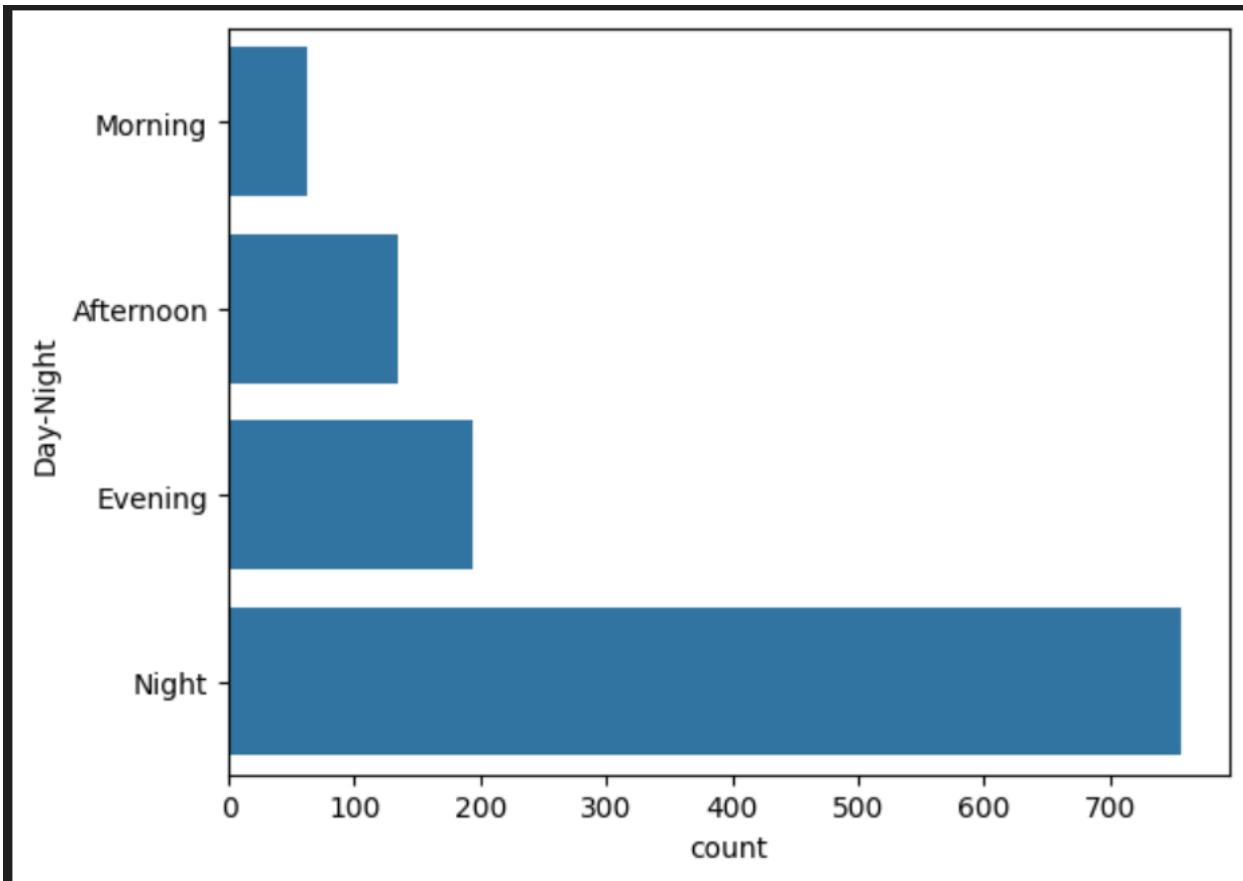


Output:

- **Most booked purpose:**
 - The **Meeting** category has the highest count (around 300 rides).
 - Other common purposes include **Meal/Entertain (~275)** and **Errand/Supplies (~200)**, but they are slightly lower.
 - Purposes like **Commute, Charity, Moving, Between Offices** are very rare or almost negligible

- **Explanation:**
 - **Meetings dominate:** This suggests that Uber rides are most often booked for professional or business-related meetings.
 - **Meal/Entertain and Errand/Supplies:** These are also significant, showing that Uber is used for social outings and everyday tasks.
 - **Low-frequency categories:** Airport/Travel, Customer Visits, and others are much less common, indicating they are occasional rather than routine uses.

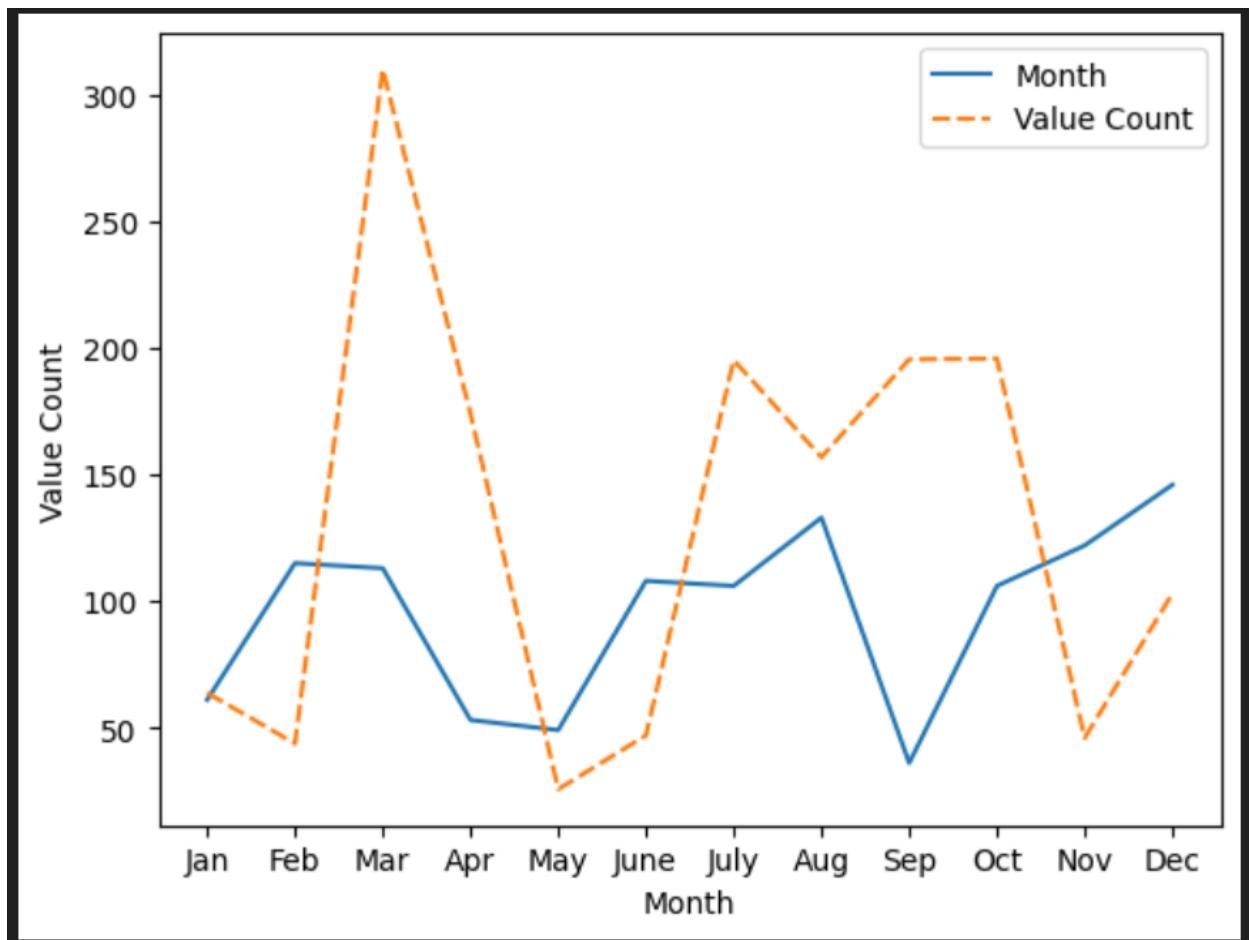
3. At what time do people book cabs the most from Uber?



Output:

- **Most booked time:**
 - **Night** has the highest count, with well over **700 rides**.
 - **Evening** follows at around **200 rides**, then **Afternoon** (~150), and finally **Morning** (~75).
- **Explanation:**
 - **Night dominates:** People book Uber cabs most frequently at night. This could be due to late-night social outings, returning from work shifts, or airport travel during off-peak hours.
 - **Evening and Afternoon:** These are secondary peaks, likely tied to after-work commutes, errands, or social activities.
 - **Morning:** The lowest usage, suggesting fewer people rely on Uber for early commutes compared to other times.

4. In which months do people booking Uber rides less frequently?

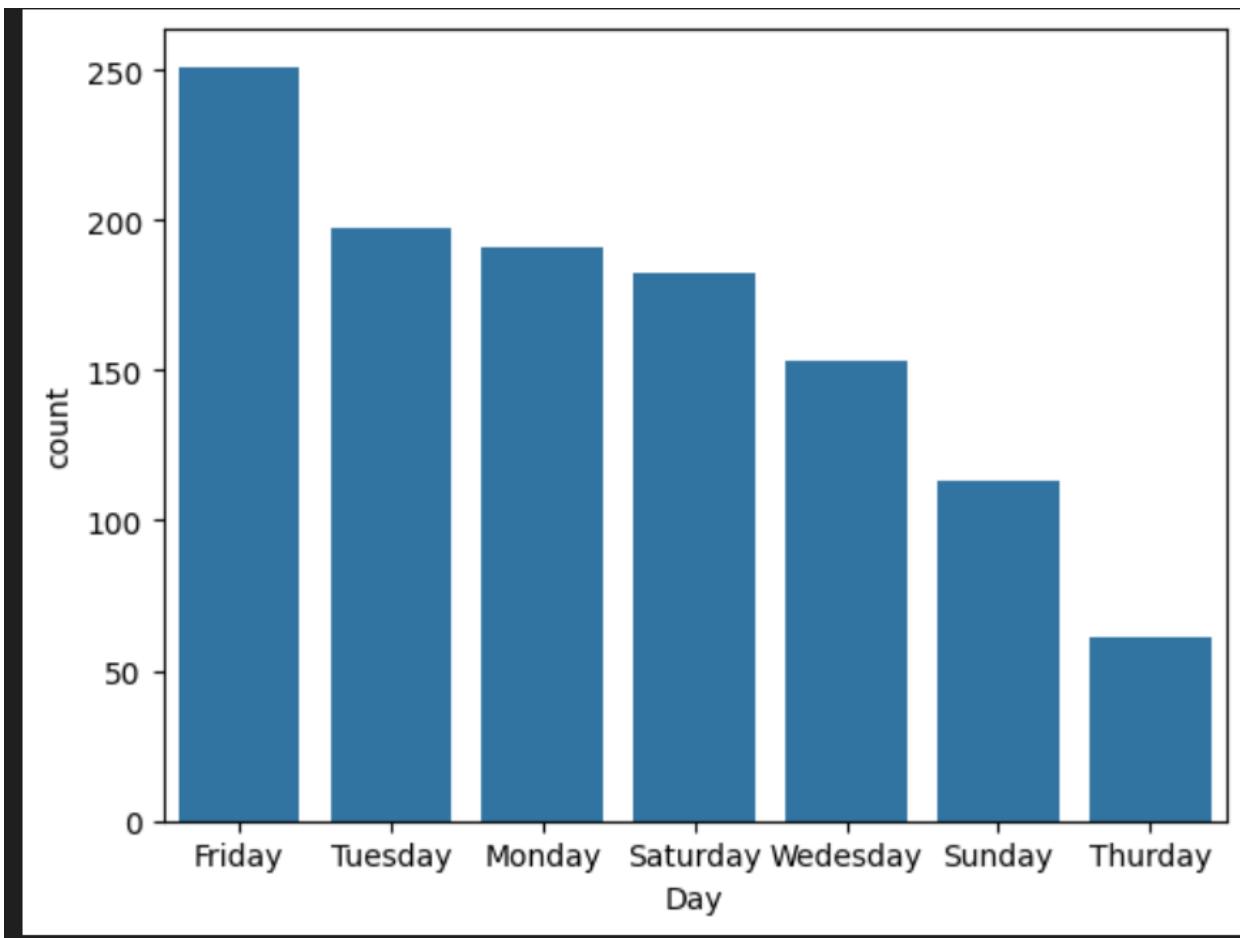


Output:

- **Months with fewer Uber bookings:**
 - **September** shows a sharp drop in bookings the lowest point in the chart.
 - **January and November** also appear relatively low compared to other months.
 - Peaks occur in **April** and again in **September for Value Count**, but the solid line (Month trend) dips significantly in September, confirming reduced activity.

- **Explanation:**
 - **September dip:** This could be seasonal — fewer business trips or reduced travel demand during that period.
 - **January and November:** Often quieter months, possibly due to post-holiday slowdown (January) and pre-holiday planning (November).
 - **Overall pattern:** The dataset shows that ride demand is not evenly distributed; certain months consistently attract fewer bookings.

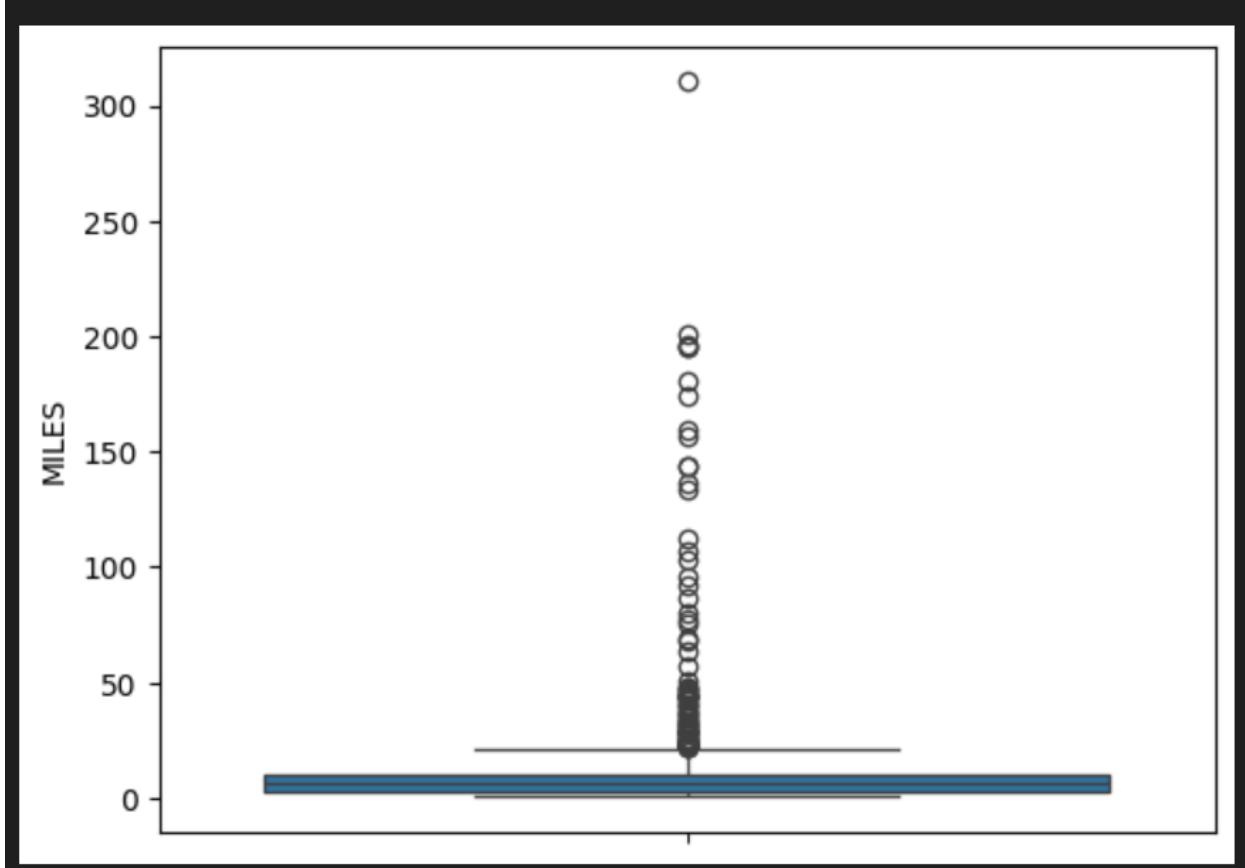
5. On which days of the week do people book Uber rides the most?



Output:

- **Most booked day:**
 - **Friday** has the highest count, making it the day when people book Uber rides the most.
 - It is followed by **Tuesday** and **Monday**, which also show relatively high counts.
 - The lowest booking activity is on **Thursday**, with Sunday and Wednesday sitting in the middle range.
- **Explanation:**
 - **Friday peak:** This makes sense — Fridays often involve social outings, late-night plans, and end-of-week work meetings, all of which drive higher demand for rides.
 - **Tuesday and Monday:** These are strong weekdays, likely reflecting business travel, commuting, and meetings early in the week.
 - **Thursday dip:** The lowest demand suggests fewer events or travel needs compared to other days.
 - **Weekend (Saturday & Sunday):** Moderate usage, probably tied to leisure activities rather than business.

6. How many miles do people usually book a cab for through Uber?



Output:

- **Typical ride distance:**
 - The **median** (middle line in the box) is around **5–10 miles**, meaning half of the rides are shorter than this and half are longer.
 - The **interquartile range (IQR)** — the box itself — shows most rides fall between roughly **3 miles and 15 miles**.
 - This range represents the “usual” ride distance for most users.
 - There are rare but indicate occasional very long trips (e.g., intercity travel, airport transfers).

- **Explanation:**
 - **Most Uber rides are short to medium trips** (commutes, errands, meetings), typically within **3–15 miles**.
 - The presence of extreme outliers shows that while Uber is mainly used for local travel, it can also serve long-distance needs.