

# Cyclistic

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- October 2021
- Capstone project | Google Data Analytics course #8 | Coursera

## 1. Members ride more often, casual users ride for longer.

### Average ride duration (minutes)

| Status | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Casual | 24  | 24  | 22  | 21  | 33  | 27  | 28  | 29  | 28  | 27  | 25  | 24  |
| Member | 13  | 13  | 12  | 13  | 18  | 13  | 14  | 14  | 14  | 14  | 14  | 13  |

### Average daily rides (count)

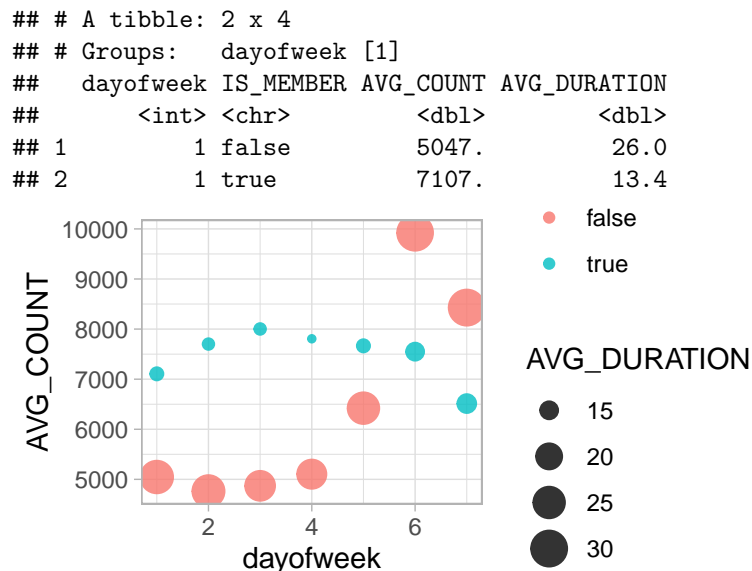
| Status | Oct   | Nov   | Dec   | Jan   | Feb   | Mar   | Apr   | May   | Jun    | Jul    | Aug    | Sep    |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| Casual | 4,573 | 2,888 | 956   | 575   | 354   | 2,677 | 4,490 | 8,159 | 12,147 | 14,044 | 13,131 | 11,962 |
| Member | 7,676 | 5,614 | 3,220 | 2,502 | 1,380 | 4,592 | 6,582 | 8,705 | 11,754 | 12,058 | 12,431 | 12,863 |

## The Graphs

### Aggregate by day of week

### Monthly by weekday

### Overall by weekday



### Hourly

### Weekly Counts and Average Duration Full year, weekly.

Note: **not weighted average** for the graph above.

Monthly by bike type

## The Weather

**Weekly** **TODO** — either use a weather-only dataset or show trips alongside weather.

**TODO: Recompute** on new daily aggregates.

**Temperature** In degrees C.

**Rain** Rain (mm) vs ride count

**Wind** Wind (m/s) vs ride count.

Second graph is scaled to 100% to show member vs casual share.

## The Geography

**Stations** 1288 stations. Following: **casual vs members**, **8am vs 4pm**, **Monday-Friday**.

Each dot is a bike docking station. Stations highlighted **yellow-red** have more arrivals than departures for the given hour, suggesting an influx of bike traffic at that location.

**Friday, 4pm, casual vs members**

**8am, Monday-Sunday, casual vs members**

**4pm, Monday-Sunday, casual vs members**