Cyclistic

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Load needed libraries:

```
library(tidyverse)
```

```
## ── Attaching packages ─────────────────────────────────────── tidyverse 1.3.1 ──
```

```
## ✔ ggplot2 3.3.6     ✔ purrr   0.3.4
## ✔ tibble  3.1.7     ✔ dplyr   1.0.9
## ✔ tidyr   1.2.0     ✔ stringr 1.4.0
## ✔ readr   2.1.2     ✔ forcats 0.5.1
```

```
## ── Conflicts ────────────────────────────────────────── tidyverse_conflicts() ──
## ✖ dplyr::filter() masks stats::filter()
## ✖ dplyr::lag()    masks stats::lag()
```

```
library(lubridate)
```

```
##
## Attaching package: 'lubridate'
```

```
## The following objects are masked from 'package:base':
##
##     date, intersect, setdiff, union
```

```
library(dplyr)
library(ggplot2)
library(scales)
```

```
##
## Attaching package: 'scales'
```

```
## The following object is masked from 'package:purrr':
##
##     discard
```

```
## The following object is masked from 'package:readr':
##
##     col_factor
```

Read the files into variables:

```
df202204 <- read_csv("C:/Users/Luis Alejandro/Documents/Google Data Analytics Professional Certificate/CASE STUDY 1 - CYCLISTIC/12 months worth of data/Data/202204-divvy-tripdata.csv")
```

```
## Rows: 371249 Columns: 13
## ── Column specification ────────────────────────────────────────────────────────
## Delimiter: ","
## chr  (7): ride_id, rideable_type, start_station_name, start_station_id, end_...
## dbl  (4): start_lat, start_lng, end_lat, end_lng
## dttm (2): started_at, ended_at
##
## ℹ Use `spec()` to retrieve the full column specification for this data.
## ℹ Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

```
df202203 <- read_csv("C:/Users/Luis Alejandro/Documents/Google Data Analytics Professional Certificate/CASE STUDY 1 - CYCLISTIC/12 months worth of data/Data/202203-divvy-tripdata.csv")
```

```
## Rows: 284042 Columns: 13
## ── Column specification ────────────────────────────────────────────────────────
## Delimiter: ","
## chr  (7): ride_id, rideable_type, start_station_name, start_station_id, end_...
## dbl  (4): start_lat, start_lng, end_lat, end_lng
## dttm (2): started_at, ended_at
##
## ℹ Use `spec()` to retrieve the full column specification for this data.
## ℹ Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

```
df202202 <- read_csv("C:/Users/Luis Alejandro/Documents/Google Data Analytics Professional Certificate/CASE STUDY 1 - CYCLISTIC/12 months worth of data/Data/202202-divvy-tripdata.csv")
```

```
## Rows: 115609 Columns: 13
## ── Column specification ────────────────────────────────────────────────────────
## Delimiter: ","
## chr  (7): ride_id, rideable_type, start_station_name, start_station_id, end_...
## dbl  (4): start_lat, start_lng, end_lat, end_lng
## dttm (2): started_at, ended_at
##
## ℹ Use `spec()` to retrieve the full column specification for this data.
## ℹ Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

```
df202201 <- read_csv("C:/Users/Luis Alejandro/Documents/Google Data Analytics Professional Certificate/CASE STUDY 1 - CYCLISTIC/12 months worth of data/Data/202201-divvy-tripdata.csv")
```

```
## Rows: 103770 Columns: 13
## ── Column specification ────────────────────────────────────────────────────────
## Delimiter: ","
## chr  (7): ride_id, rideable_type, start_station_name, start_station_id, end_...
## dbl  (4): start_lat, start_lng, end_lat, end_lng
## dttm (2): started_at, ended_at
##
## ℹ Use `spec()` to retrieve the full column specification for this data.
## ℹ Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

```
df202112 <- read_csv("C:/Users/Luis Alejandro/Documents/Google Data Analytics Professional Certificate/CASE STUDY 1 - CYCLISTIC/12 months worth of data/Data/202112-divvy-tripdata.csv")
```

```
## Rows: 247540 Columns: 13
## ── Column specification ────────────────────────────────────────────────────────
## Delimiter: ","
## chr  (7): ride_id, rideable_type, start_station_name, start_station_id, end_...
## dbl  (4): start_lat, start_lng, end_lat, end_lng
## dttm (2): started_at, ended_at
##
## ℹ Use `spec()` to retrieve the full column specification for this data.
## ℹ Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

```
df202111 <- read_csv("C:/Users/Luis Alejandro/Documents/Google Data Analytics Professional Certificate/CASE STUDY 1 - CYCLISTIC/12 months worth of data/Data/202111-divvy-tripdata.csv")
```

```
## Rows: 359978 Columns: 13
## ── Column specification ────────────────────────────────────────────────────────
## Delimiter: ","
## chr  (7): ride_id, rideable_type, start_station_name, start_station_id, end_...
## dbl  (4): start_lat, start_lng, end_lat, end_lng
## dttm (2): started_at, ended_at
##
## ℹ Use `spec()` to retrieve the full column specification for this data.
## ℹ Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

```
df202110 <- read_csv("C:/Users/Luis Alejandro/Documents/Google Data Analytics Professional Certificate/CASE STUDY 1 - CYCLISTIC/12 months worth of data/Data/202110-divvy-tripdata.csv")
```

```
## Rows: 631226 Columns: 13
## ── Column specification ────────────────────────────────────────────────────────
## Delimiter: ","
## chr  (7): ride_id, rideable_type, start_station_name, start_station_id, end_...
## dbl  (4): start_lat, start_lng, end_lat, end_lng
## dttm (2): started_at, ended_at
##
## ℹ Use `spec()` to retrieve the full column specification for this data.
## ℹ Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

```
df202109 <- read_csv("C:/Users/Luis Alejandro/Documents/Google Data Analytics Professional Certificate/CASE STUDY 1 - CYCLISTIC/12 months worth of data/Data/202109-divvy-tripdata.csv")
```

```
## Rows: 756147 Columns: 13
## ── Column specification ────────────────────────────────────────────────────────
## Delimiter: ","
## chr  (7): ride_id, rideable_type, start_station_name, start_station_id, end_...
## dbl  (4): start_lat, start_lng, end_lat, end_lng
## dttm (2): started_at, ended_at
##
## ℹ Use `spec()` to retrieve the full column specification for this data.
## ℹ Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

```
df202108 <- read_csv("C:/Users/Luis Alejandro/Documents/Google Data Analytics Professional Certificate/CASE STUDY 1 - CYCLISTIC/12 months worth of data/Data/202108-divvy-tripdata.csv")
```

```
## Rows: 804352 Columns: 13
## ── Column specification ────────────────────────────────────────────────────────
## Delimiter: ","
## chr  (7): ride_id, rideable_type, start_station_name, start_station_id, end_...
## dbl  (4): start_lat, start_lng, end_lat, end_lng
## dttm (2): started_at, ended_at
##
## ℹ Use `spec()` to retrieve the full column specification for this data.
## ℹ Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

```
df202107 <- read_csv("C:/Users/Luis Alejandro/Documents/Google Data Analytics Professional Certificate/CASE STUDY 1 - CYCLISTIC/12 months worth of data/Data/202107-divvy-tripdata.csv")
```

```
## Rows: 822410 Columns: 13
## ── Column specification ────────────────────────────────────────────────────────
## Delimiter: ","
## chr  (7): ride_id, rideable_type, start_station_name, start_station_id, end_...
## dbl  (4): start_lat, start_lng, end_lat, end_lng
## dttm (2): started_at, ended_at
##
## ℹ Use `spec()` to retrieve the full column specification for this data.
## ℹ Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

```
df202106 <- read_csv("C:/Users/Luis Alejandro/Documents/Google Data Analytics Professional Certificate/CASE STUDY 1 - CYCLISTIC/12 months worth of data/Data/202106-divvy-tripdata.csv")
```

```
## Rows: 729595 Columns: 13
## ── Column specification ────────────────────────────────────────────────────────
## Delimiter: ","
## chr  (7): ride_id, rideable_type, start_station_name, start_station_id, end_...
## dbl  (4): start_lat, start_lng, end_lat, end_lng
## dttm (2): started_at, ended_at
##
## ℹ Use `spec()` to retrieve the full column specification for this data.
## ℹ Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

```
df202105 <- read_csv("C:/Users/Luis Alejandro/Documents/Google Data Analytics Professional Certificate/CASE STUDY 1 - CYCLISTIC/12 months worth of data/Data/202105-divvy-tripdata.csv")
```

```
## Rows: 531633 Columns: 13
## ── Column specification ────────────────────────────────────────────────────────
## Delimiter: ","
## chr  (7): ride_id, rideable_type, start_station_name, start_station_id, end_...
## dbl  (4): start_lat, start_lng, end_lat, end_lng
## dttm (2): started_at, ended_at
##
## ℹ Use `spec()` to retrieve the full column specification for this data.
## ℹ Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

Compile all the files into 1 single Data Frame:

```
Cyclisticdf <- rbind(df202204, df202203, df202202, df202201, df202112,
df202111,df202110, df202109, df202108, df202107, df202106, df202105)
```

Write 1 CSV file with all the data:

```
write_csv(Cyclisticdf, "C:/Users/Luis Alejandro/Documents/Google Data
Analytics Professional Certificate/CASE STUDY 1 - CYCLISTIC/12 months worth
of data/Data/All_the_data.csv")
```