Query to combine all "trips_data" spreadsheets into one table:

```sql
SELECT                                    ## Selecting Columns to Query
  ride_id, rideable_type, cast(started_at as datetime) as start_time, cast(ended_at
as datetime) as end_time,
  ride_time_sec, day_of_week, member_casual as member_type
FROM
  `da-course-356204.Capstone.11_2021`

UNION ALL                                 ## Combining the data from the other
tables
  SELECT
  ride_id, rideable_type, cast(started_at as datetime), cast(ended_at as datetime),
ride_time_sec, day_of_week, member_type
  FROM
    `da-course-356204.Capstone.12_2021`
UNION ALL
  SELECT
  ride_id, rideable_type, cast(started_at as datetime), cast(ended_at as datetime),
ride_time_sec, day_of_week, member_type
  FROM
    `da-course-356204.Capstone.01_2022`
UNION ALL
  SELECT
  ride_id, rideable_type, cast(started_at as datetime), cast(ended_at as datetime),
ride_time_sec, day_of_week, member_type
  FROM
    `da-course-356204.Capstone.02_2022`
UNION ALL
  SELECT
  ride_id, rideable_type, cast(started_at as datetime), cast(ended_at as datetime),
ride_time_sec, day_of_week, member_type
  FROM
    `da-course-356204.Capstone.03_2022`
UNION ALL
  SELECT
  ride_id, rideable_type, cast(started_at as datetime), cast(ended_at as datetime),
ride_time_sec, day_of_week, member_type
  FROM
    `da-course-356204.Capstone.04_2022`;
```

Query to find average tipe time by day of week dependant on membership type:

Member:
```sql
SELECT
  avg(ride_time_sec)/60 as ride_time_minutes_casual_day_of_week
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE member_type = "member"
GROUP BY day_of_week
```

Casual User:
```sql
SELECT
  avg(ride_time_sec)/60 as ride_time_minutes_casual_day_of_week
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE member_type = "casual"
GROUP BY day_of_week
```

Queries to find average trip time, per month, per rideable type:

```sql
##The following Queries are grouped by member type and rideable type, and will
##return ride time average per month by day of the week.

##casual classic
SELECT
  avg(ride_time_sec)/60 as november_ride_time_avg_casual_classic
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2021-11-01' and start_time < '2021-12-01'
     and member_type = "casual" and rideable_type = "classic_bike"
GROUP BY day_of_week;

SELECT
  avg(ride_time_sec)/60 as december_ride_time_avg_casual_classic
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2021-12-01' and start_time < '2022-01-01'
     and member_type = "casual" and rideable_type = "classic_bike"
GROUP BY day_of_week;

SELECT
  avg(ride_time_sec)/60 as january_ride_time_avg_casual_classic
FROM
  `da-course-356204.Capstone.combined_trips_data`
```

```sql
WHERE start_time >= '2022-01-01' and start_time < '2022-02-01'
      and member_type = "casual" and rideable_type = "classic_bike"
GROUP BY day_of_week;


SELECT
  avg(ride_time_sec)/60 as february_ride_time_avg_casual_classic
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-02-01' and start_time < '2022-03-01'
      and member_type = "casual" and rideable_type = "classic_bike"
GROUP BY day_of_week;


SELECT
  avg(ride_time_sec)/60 as march_ride_time_avg_casual_classic
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-03-01' and start_time < '2022-04-01'
      and member_type = "casual" and rideable_type = "classic_bike"
GROUP BY day_of_week;


SELECT
  avg(ride_time_sec)/60 as april_ride_time_avg_casual_classic
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-04-01' and member_type = "casual"
      and rideable_type = "classic_bike"
GROUP BY day_of_week;

##casual docked
SELECT
  avg(ride_time_sec)/60 as november_ride_time_avg_casual_docked
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2021-11-01' and start_time < '2021-12-01'
      and member_type = "casual" and rideable_type = "docked_bike"
GROUP BY day_of_week;


SELECT
  avg(ride_time_sec)/60 as december_ride_time_avg_casual_docked
FROM
  `da-course-356204.Capstone.combined_trips_data`
```

```sql
WHERE start_time >= '2021-12-01' and start_time < '2022-01-01'
      and member_type = "casual" and rideable_type = "docked_bike"
GROUP BY day_of_week;


SELECT
  avg(ride_time_sec)/60 as january_ride_time_avg_casual_docked
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-01-01' and start_time < '2022-02-01'
      and member_type = "casual" and rideable_type = "docked_bike"
GROUP BY day_of_week;


SELECT
  avg(ride_time_sec)/60 as february_ride_time_avg_casual_docked
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-02-01' and start_time < '2022-03-01'
      and member_type = "casual" and rideable_type = "docked_bike"
GROUP BY day_of_week;


SELECT
  avg(ride_time_sec)/60 as march_ride_time_avg_casual_docked
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-03-01' and start_time < '2022-04-01'
      and member_type = "casual" and rideable_type = "docked_bike"
GROUP BY day_of_week;


SELECT
  avg(ride_time_sec)/60 as april_ride_time_avg_casual_docked
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-04-01' and member_type = "casual"
      and rideable_type = "docked_bike"
GROUP BY day_of_week;


##casual electric
SELECT
  avg(ride_time_sec)/60 as november_ride_time_avg_casual_electric
FROM
  `da-course-356204.Capstone.combined_trips_data`
```

```sql
WHERE start_time >= '2021-11-01' and start_time < '2021-12-01'
      and member_type = "casual" and rideable_type = "electric_bike"
GROUP BY day_of_week;


SELECT
  avg(ride_time_sec)/60 as december_ride_time_avg_casual_electric
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2021-12-01' and start_time < '2022-01-01'
      and member_type = "casual" and rideable_type = "electric_bike"
GROUP BY day_of_week;


SELECT
  avg(ride_time_sec)/60 as january_ride_time_avg_casual_electric
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-01-01' and start_time < '2022-02-01'
      and member_type = "casual" and rideable_type = "electric_bike"
GROUP BY day_of_week;


SELECT
  avg(ride_time_sec)/60 as february_ride_teme_avg_casual_electric
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-02-01' and start_time < '2022-03-01'
      and member_type = "casual" and rideable_type = "electric_bike"
GROUP BY day_of_week;


SELECT
  avg(ride_time_sec)/60 as march_ride_time_avg_casual_electric
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-03-01' and start_time < '2022-04-01'
      and member_type = "casual" and rideable_type = "electric_bike"
GROUP BY day_of_week;


SELECT
  avg(ride_time_sec)/60 as april_ride_time_avg_casual_electric
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-04-01' and member_type = "casual"
```

```sql
      and rideable_type = "electric_bike"
GROUP BY day_of_week;


##member classic
SELECT
  avg(ride_time_sec)/60 as november_ride_time_avg_member_classic
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2021-11-01' and start_time < '2021-12-01'
      and member_type = "member" and rideable_type = "classic_bike"
GROUP BY day_of_week;


SELECT
  avg(ride_time_sec)/60 as december_ride_time_avg_member_classic
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2021-12-01' and start_time < '2022-01-01'
      and member_type = "member" and rideable_type = "classic_bike"
GROUP BY day_of_week;


SELECT
  avg(ride_time_sec)/60 as january_ride_time_avg_member_classic
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-01-01' and start_time < '2022-02-01'
      and member_type = "member" and rideable_type = "classic_bike"
GROUP BY day_of_week;


SELECT
  avg(ride_time_sec)/60 as february_ride_time_avg_member_classic
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-02-01' and start_time < '2022-03-01'
      and member_type = "member" and rideable_type = "classic_bike"
GROUP BY day_of_week;


SELECT
  avg(ride_time_sec)/60 as march_ride_time_avg_member_classic
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-03-01' and start_time < '2022-04-01'
```

```sql
        and member_type = "member" and rideable_type = "classic_bike"
GROUP BY day_of_week;


SELECT
  avg(ride_time_sec)/60 as april_ride_time_avg_member_classic
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-04-01' and member_type = "member"
      and rideable_type = "classic_bike"
GROUP BY day_of_week;


##member electric
SELECT
  avg(ride_time_sec)/60 as november_ride_time_avg_member_electric
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2021-11-01' and start_time < '2021-12-01'
      and member_type = "member" and rideable_type = "electric_bike"
GROUP BY day_of_week;


SELECT
  avg(ride_time_sec)/60 as december_ride_time_avg_member_electric
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2021-12-01' and start_time < '2022-01-01'
      and member_type = "member" and rideable_type = "electric_bike"
GROUP BY day_of_week;


SELECT
  avg(ride_time_sec)/60 as january_ride_time_avg_member_electric
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-01-01' and start_time < '2022-02-01'
      and member_type = "member" and rideable_type = "electric_bike"
GROUP BY day_of_week;


SELECT
  avg(ride_time_sec)/60 as february_ride_time_avg_member_electric
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-02-01' and start_time < '2022-03-01'
```

```
      and member_type = "member" and rideable_type = "electric_bike"
GROUP BY day_of_week;


SELECT
  avg(ride_time_sec)/60 as march_ride_time_avg_member_electric
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-03-01' and start_time < '2022-04-01'
      and member_type = "member" and rideable_type = "electric_bike"
GROUP BY day_of_week;


SELECT
  avg(ride_time_sec)/60 as april_ride_time_avg_member_electric
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-04-01' and member_type = "member"
      and rideable_type = "electric_bike"
GROUP BY day_of_week;
```

Queries to find total trip counts per month, per rideable type:

```
##The following Queries are grouped by member type and rideable type, and will
##return ride time average per month by day of the week.

##casual classic
SELECT
  COUNT(DISTINCT(ride_id)) as november_ride_count_casual_classic
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2021-11-01' and start_time < '2021-12-01'
      and member_type = "casual" and rideable_type = "classic_bike"
GROUP BY day_of_week;


SELECT
  COUNT(DISTINCT(ride_id)) as december_ride_count_casual_classic
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2021-12-01' and start_time < '2022-01-01'
      and member_type = "casual" and rideable_type = "classic_bike"
GROUP BY day_of_week;
```

```sql
SELECT
  COUNT(DISTINCT(ride_id)) as january_ride_count_casual_classic
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-01-01' and start_time < '2022-02-01'
      and member_type = "casual" and rideable_type = "classic_bike"
GROUP BY day_of_week;

SELECT
  COUNT(DISTINCT(ride_id)) as february_ride_count_casual_classic
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-02-01' and start_time < '2022-03-01'
      and member_type = "casual" and rideable_type = "classic_bike"
GROUP BY day_of_week;

SELECT
  COUNT(DISTINCT(ride_id)) as march_ride_count_casual_classic
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-03-01' and start_time < '2022-04-01'
      and member_type = "casual" and rideable_type = "classic_bike"
GROUP BY day_of_week;

SELECT
  COUNT(DISTINCT(ride_id)) as april_ride_count_casual_classic
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-04-01' and member_type = "casual"
      and rideable_type = "classic_bike"
GROUP BY day_of_week;

##casual docked
SELECT
  COUNT(DISTINCT(ride_id)) as november_ride_count_casual_docked
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2021-11-01' and start_time < '2021-12-01'
      and member_type = "casual" and rideable_type = "docked_bike"
GROUP BY day_of_week;
```

```sql
SELECT
  COUNT(DISTINCT(ride_id)) as december_ride_count_casual_docked
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2021-12-01' and start_time < '2022-01-01'
    and member_type = "casual" and rideable_type = "docked_bike"
GROUP BY day_of_week;

SELECT
  COUNT(DISTINCT(ride_id)) as january_ride_count_casual_docked
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-01-01' and start_time < '2022-02-01'
    and member_type = "casual" and rideable_type = "docked_bike"
GROUP BY day_of_week;

SELECT
  COUNT(DISTINCT(ride_id)) as february_ride_count_casual_docked
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-02-01' and start_time < '2022-03-01'
    and member_type = "casual" and rideable_type = "docked_bike"
GROUP BY day_of_week;

SELECT
  COUNT(DISTINCT(ride_id)) as march_ride_count_casual_docked
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-03-01' and start_time < '2022-04-01'
    and member_type = "casual" and rideable_type = "docked_bike"
GROUP BY day_of_week;

SELECT
  COUNT(DISTINCT(ride_id)) as april_ride_count_casual_docked
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-04-01' and member_type = "casual"
    and rideable_type = "docked_bike"
GROUP BY day_of_week;
```

```
##casual electric
SELECT
  COUNT(DISTINCT(ride_id)) as november_ride_count_casual_electric
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2021-11-01' and start_time < '2021-12-01'
    and member_type = "casual" and rideable_type = "electric_bike"
GROUP BY day_of_week;

SELECT
  COUNT(DISTINCT(ride_id)) as december_ride_count_casual_electric
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2021-12-01' and start_time < '2022-01-01'
    and member_type = "casual" and rideable_type = "electric_bike"
GROUP BY day_of_week;

SELECT
  COUNT(DISTINCT(ride_id)) as january_ride_count_casual_electric
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-01-01' and start_time < '2022-02-01'
    and member_type = "casual" and rideable_type = "electric_bike"
GROUP BY day_of_week;

SELECT
  COUNT(DISTINCT(ride_id)) as february_ride_count_casual_electric
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-02-01' and start_time < '2022-03-01'
    and member_type = "casual" and rideable_type = "electric_bike"
GROUP BY day_of_week;

SELECT
  COUNT(DISTINCT(ride_id)) as march_ride_count_casual_electric
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-03-01' and start_time < '2022-04-01'
    and member_type = "casual" and rideable_type = "electric_bike"
GROUP BY day_of_week;
```

```sql
SELECT
  COUNT(DISTINCT(ride_id)) as april_ride_count_casual_electric
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-04-01' and member_type = "casual"
      and rideable_type = "electric_bike"
GROUP BY day_of_week;

##member classic
SELECT
  COUNT(DISTINCT(ride_id)) as november_ride_count_member_classic
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2021-11-01' and start_time < '2021-12-01'
      and member_type = "member" and rideable_type = "classic_bike"
GROUP BY day_of_week;

SELECT
  COUNT(DISTINCT(ride_id)) as december_ride_count_member_classic
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2021-12-01' and start_time < '2022-01-01'
      and member_type = "member" and rideable_type = "classic_bike"
GROUP BY day_of_week;

SELECT
  COUNT(DISTINCT(ride_id)) as january_ride_count_member_classic
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-01-01' and start_time < '2022-02-01'
      and member_type = "member" and rideable_type = "classic_bike"
GROUP BY day_of_week;

SELECT
  COUNT(DISTINCT(ride_id)) as february_ride_count_member_classic
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-02-01' and start_time < '2022-03-01'
      and member_type = "member" and rideable_type = "classic_bike"
GROUP BY day_of_week;
```

```sql
SELECT
  COUNT(DISTINCT(ride_id)) as march_ride_count_member_classic
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-03-01' and start_time < '2022-04-01'
      and member_type = "member" and rideable_type = "classic_bike"
GROUP BY day_of_week;


SELECT
  COUNT(DISTINCT(ride_id)) as april_ride_count_member_classic
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-04-01' and member_type = "member"
      and rideable_type = "classic_bike"
GROUP BY day_of_week;


##member electric
SELECT
  COUNT(DISTINCT(ride_id)) as november_ride_count_member_electric
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2021-11-01' and start_time < '2021-12-01'
      and member_type = "member" and rideable_type = "electric_bike"
GROUP BY day_of_week;


SELECT
  COUNT(DISTINCT(ride_id)) as december_ride_count_member_electric
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2021-12-01' and start_time < '2022-01-01'
      and member_type = "member" and rideable_type = "electric_bike"
GROUP BY day_of_week;


SELECT
  COUNT(DISTINCT(ride_id)) as january_ride_count_member_electric
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-01-01' and start_time < '2022-02-01'
      and member_type = "member" and rideable_type = "electric_bike"
GROUP BY day_of_week;
```

```sql
SELECT
  COUNT(DISTINCT(ride_id)) as february_ride_count_member_electric
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-02-01' and start_time < '2022-03-01'
      and member_type = "member" and rideable_type = "electric_bike"
GROUP BY day_of_week;

SELECT
  COUNT(DISTINCT(ride_id)) as march_ride_count_member_electric
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-03-01' and start_time < '2022-04-01'
      and member_type = "member" and rideable_type = "electric_bike"
GROUP BY day_of_week;

SELECT
  COUNT(DISTINCT(ride_id)) as april_ride_count_member_electric
FROM
  `da-course-356204.Capstone.combined_trips_data`
WHERE start_time >= '2022-04-01' and member_type = "member"
      and rideable_type = "electric_bike"
GROUP BY day_of_week;
```