

SQL Code for BigQuery Public Datasets NYC Citi Bike Stations and NYC Citi Bike Trips

2. What are the top 5 most popular trips (start and end stations combination) for all time?

```
SELECT
  start_station_name,
  end_station_name,
  IF(start_station_name = end_station_name,
    TRUE,
    FALSE) same_station,
  AVG(tripduration) AS avg_duration,
  COUNT(*) AS total_rides
FROM
  `bigquery-public-data.new_york_citibike.citibike_trips`
WHERE
  start_station_id != end_station_id
GROUP BY
  start_station_name,
  end_station_name,
  same_station
ORDER BY
  total_rides DESC
LIMIT 5
```

3. Which hours of the day does usage peak on weekdays?

```
SELECT
  hour,
  MAX(number_trips) AS maximum_trips
FROM (
  SELECT
    EXTRACT(HOUR
      FROM
        CAST(start_date AS TIME)) AS hour,
    EXTRACT (DAYOFWEEK
      FROM
        start_date) AS day_week,
    COUNT(*) AS number_trips
  FROM
    start_date ) AS day_week,
  COUNT() AS number_trips
FROM
  `bigquery-public-data.new_york_citibike.citibike_trips`
GROUP BY
```

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```
1,  
2)  
WHERE  
    day_week !=7  
    OR day_week !=1  
GROUP BY  
    1  
ORDER BY  
    2 DESC
```