

Query for summer trends (Cy...ct)


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 This query will process 8.46 GB when run.

```

1 SELECT
2   TR.bikeid,
3   TR.usertype,
4   TR.start_station_longitude,
5   TR.start_station_latitude,
6   TR.end_station_longitude,
7   TR.end_station_latitude,
8   ZIPSTARTNAME.zip AS ZIP_START,
9   ZIPSTARTNAME.borough AS BOROUGH_START,
10  ZIPSTARTNAME.neighborhood AS NEIGHBORHOOD_START,
11  ZIPENDNAME.zip AS ZIP_END,
12  ZIPENDNAME.borough AS BOROUGH_END,
13  ZIPENDNAME.neighborhood AS NEIGHBORHOOD_END,
14  --I will add 7 years to make the Dashboard look recent
15  DATE_ADD(DATE(TR.starttime), INTERVAL 7 YEAR) AS start_day,
16  DATE_ADD(DATE(TR.stoptime), INTERVAL 7 YEAR) AS stop_day,
17  NOAA.temp AS day_mean_temperature, -- Mean temp
18  NOAA.wdsp AS day_mean_wind_speed, -- Mean wind speed
19  NOAA.prcp AS day_total_precipitation, -- Total precipitation
20  -- Group trips into 10 minute intervals to reduces the number of rows
21  ROUND(CAST(TR.tripeduration / 60 AS INT64), -1) AS trip_minutes
22 FROM
23   bigquery-public-data.new_york_citibike.citibike_trips AS TR
24 INNER JOIN
25   bigquery-public-data.geo_us_boundaries.zip_codes AS ZIP_START
26 ON
27   ST_WITHIN(
28     ST_GEOGPOINT(TR.start_station_longitude, TR.start_station_latitude),
29     ZIP_START.zip_code_geom
30   )
31 INNER JOIN
32   bigquery-public-data.geo_us_boundaries.zip_codes AS ZIP_END
33 ON
34   ST_WITHIN(
35     ST_GEOGPOINT(TR.end_station_longitude, TR.end_station_latitude),
36     ZIP_END.zip_code_geom
37   )
38 INNER JOIN
39   `bigquery-public-data.noaa_gsod.gsod20*` AS NOAA
40 ON
41   PARSE_DATE("%Y%m%d", CONCAT(NOAA.year, NOAA.mo, NOAA.da)) = DATE(TR.starttime)
42 INNER JOIN
43   cyclistic-nyc-zip-codes.zip_codes.cyclistic_zip_codes AS ZIPSTARTNAME
44 ON
45   ZIP_START.zip_code = CAST(ZIPSTARTNAME.zip AS STRING)
46 INNER JOIN
47   cyclistic-nyc-zip-codes.zip_codes.cyclistic_zip_codes AS ZIPENDNAME
48 ON
49   ZIP_END.zip_code = CAST(ZIPENDNAME.zip AS STRING)
50 WHERE
51   -- This takes the weather data from one weather station
52   NOAA.wban = '94728' -- NEW YORK CENTRAL PARK
53   -- Use data for three summer months
54   AND DATE(TR.starttime) BETWEEN DATE('2015-07-01') AND DATE('2015-09-30')
55

```