SELECT

TRI.usertype,

ZIPSTART.zip\_code AS zip\_code\_start,

ZIPSTARTNAME.borough borough\_start,

ZIPSTARTNAME.neighborhood AS neighborhood\_start,

ZIPEND.zip\_code AS zip\_code\_end,

ZIPENDNAME.borough borough\_end,

ZIPENDNAME.neighborhood AS neighborhood\_end,

-- Since this is a fictional dashboard, you can add 5 years to make it look recent

DATE\_ADD(DATE(TRI.starttime), INTERVAL 5 YEAR) AS start\_day,

DATE\_ADD(DATE(TRI.stoptime), INTERVAL 5 YEAR) AS stop\_day,

WEA.temp AS day\_mean\_temperature, -- Mean temp

WEA.wdsp AS day\_mean\_wind\_speed, -- Mean wind speed

WEA.prcp day\_total\_precipitation, -- Total precipitation

-- Group trips into 10 minute intervals to reduces the number of rows

ROUND(CAST(TRI.tripduration / 60 AS INT64), -1) AS trip\_minutes,

COUNT(TRI.bikeid) AS trip\_count

FROM

bigquery-public-data.new\_york\_citibike.citibike\_trips AS TRI

INNER JOIN

bigquery-public-data.geo\_us\_boundaries.zip\_codes ZIPSTART

ON ST\_WITHIN(

ST\_GEOGPOINT(TRI.start\_station\_longitude, TRI.start\_station\_latitude),

ZIPSTART.zip\_code\_geom)

INNER JOIN

bigquery-public-data.geo\_us\_boundaries.zip\_codes ZIPEND

ON ST\_WITHIN(

ST\_GEOGPOINT(TRI.end\_station\_longitude, TRI.end\_station\_latitude),

ZIPEND.zip\_code\_geom)

INNER JOIN

`bigquery-public-data.noaa\_gsod.gsod20\*` AS WEA

ON PARSE\_DATE("%Y%m%d", CONCAT(WEA.year, WEA.mo, WEA.da)) = DATE(TRI.starttime)

INNER JOIN

-- Note! Add your zip code table name, enclosed in backticks: example\_table

`my-project-trees-in-nyc-53016.cyclistic.codepostal` AS ZIPSTARTNAME

ON ZIPSTART.zip\_code = CAST(ZIPSTARTNAME.zip AS STRING)

INNER JOIN

-- Note! Add your zipcode table name, enclosed in backticks: example\_table

`my-project-trees-in-nyc-53016.cyclistic.codepostal` AS ZIPENDNAME

ON ZIPEND.zip\_code = CAST(ZIPENDNAME.zip AS STRING)

WHERE

-- This takes the weather data from one weather station

WEA.wban = '94728' -- NEW YORK CENTRAL PARK

-- Use data from 2014 and 2015

AND EXTRACT(YEAR FROM DATE(TRI.starttime)) BETWEEN 2014 AND 2019

GROUP BY

1,

2,

3,

4,

5,

6,

7,

8,

9,

10,

11,

12,

13