* Getting the percentage of rides made by different user types and gender:

SELECT

gender,

COUNT(gender) AS gender\_type,

ROUND(COUNT(gender) \* 100.0 / (select count(\*) from (SELECT

gender,

usertype

FROM `lithe-sonar-317601.case\_study\_1.trips\_2019`

WHERE gender IS NOT NULL)), 2) as gender\_percentage,

usertype

FROM (SELECT

gender,

usertype

FROM `lithe-sonar-317601.case\_study\_1.trips\_2019`

WHERE gender IS NOT NULL)

GROUP BY gender, usertype

* Creating age ranges for each type of user

SELECT

usertype,

CASE

WHEN birthyear <= 2003 AND birthyear > 1999 THEN '16-19 years'

WHEN birthyear <= 1999 AND birthyear > 1988 THEN '20-30 years'

WHEN birthyear <= 1988 AND birthyear > 1978 THEN '31-40 years'

WHEN birthyear <= 1978 AND birthyear > 1968 THEN '41-50 years'

WHEN birthyear <= 1968 AND birthyear > 1958 THEN '51-60 years'

WHEN birthyear <= 1958 AND birthyear > 1948 THEN '61-70 years'

ELSE '71+ years'

END AS range\_birthyear,

COUNT(CASE

WHEN birthyear <= 2003 AND birthyear > 1999 THEN '16-19 years'

WHEN birthyear <= 1999 AND birthyear > 1988 THEN '20-30 years'

WHEN birthyear <= 1988 AND birthyear > 1978 THEN '31-40 years'

WHEN birthyear <= 1978 AND birthyear > 1968 THEN '41-50 years'

WHEN birthyear <= 1968 AND birthyear > 1958 THEN '51-60 years'

WHEN birthyear <= 1958 AND birthyear > 1948 THEN '61-70 years'

ELSE '71+ years'

END) AS total\_range\_birthyear

FROM `lithe-sonar-317601.case\_study\_1.trips\_2019`

WHERE gender is not null AND usertype = 'Subscriber'

GROUP BY range\_birthyear, usertype

ORDER BY range\_birthyear

* Getting the most used stations by each type of user

SELECT

from\_station\_name,

COUNT(from\_station\_name) AS trips\_per\_station,

ROUND(COUNT(from\_station\_name) \* 100.0 / (select count(\*) from (SELECT

from\_station\_name,

usertype

FROM `lithe-sonar-317601.case\_study\_1.trips\_2019`

WHERE usertype = 'Subscriber')), 2),

usertype

FROM `lithe-sonar-317601.case\_study\_1.trips\_2019`

WHERE usertype = 'Subscriber'

GROUP BY usertype, from\_station\_name

ORDER BY trips\_per\_station DESC

* % of use by day of the week

SELECT

COUNT(trip\_id) AS total\_trip,

CAST(start\_time AS DATE) AS day

FROM `lithe-sonar-317601.case\_study\_1.trips\_2019`

WHERE usertype = 'Customer'

GROUP BY day

ORDER BY day ASC