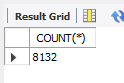
# Find out how many times Theft with over $500 happened in 2020 until 2020-10-14

SELECT CASE\_NUMBER, DATE, PRIMARY\_TYPE, DESCRIPTION, ARREST FROM finalproject.crime WHERE PRIMARY\_TYPE = 'THEFT' ORDER BY DATE;

SELECT COUNT(\*) FROM finalproject.crime WHERE PRIMARY\_TYPE = 'THEFT' AND DESCRIPTION = 'OVER $500' AND DATE < '2020-10-15 00:00:00';



# Find out the most battery happened in which police district order by the amount of batteries

SELECT

pd.DISTRICT\_NAME,

COUNT(DISTINCT (c.CRIME\_ID)) AS BATTERY\_Number

FROM

finalproject.crime AS c

JOIN

finalproject.fact\_table AS ft

JOIN

finalproject.police\_district AS pd

WHERE

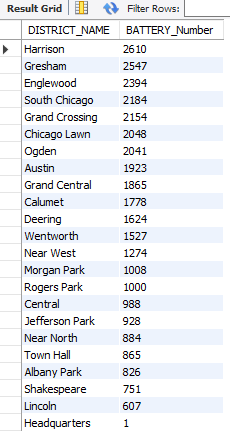
c.CRIME\_ID = ft.crime\_CRIME\_ID

AND ft.police\_district\_DISTRICT\_ID = pd.DISTRICT\_ID

AND c.PRIMARY\_TYPE = 'BATTERY'

GROUP BY ft.police\_district\_DISTRICT\_ID

ORDER BY BATTERY\_Number DESC;



# Find out top 10 blocks which have the most crime records

SELECT

BLOCK, COUNT(DISTINCT (CRIME\_ID)) AS CASES

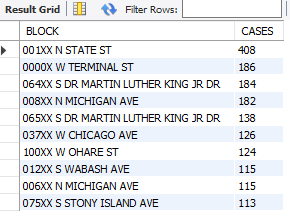
FROM

finalproject.crime

GROUP BY BLOCK

ORDER BY CASES DESC

LIMIT 10;



#Find out the crimes happened in each community area ordered by the amounts of crimes.

SELECT

cm.AREA\_NUMBER,

Count(c.CRIME\_ID) AS Crimecount

FROM

finalproject.crime as c

JOIN

finalproject.community as cm

JOIN

finalproject.fact\_table as f

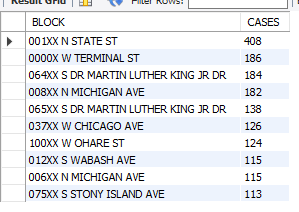
WHERE

c.CRIME\_ID = f.crime\_CRIME\_ID

AND f.community\_COMMUNITY\_AREA\_NUMBER=cm.AREA\_NUMBER

GROUP BY f.community\_COMMUNITY\_AREA\_NUMBER

ORDER BY Crimecount DESC;



# Find out community areas with more than 20% poverty population

SELECT

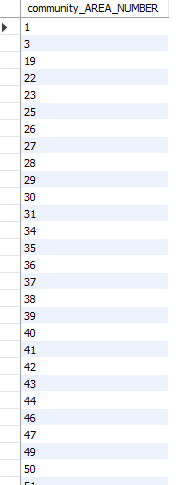
community\_AREA\_NUMBER

FROM

finalproject.poverty

WHERE

POVERTYPOPULATION\_2010 > 0.2;



# Find out community areas with more than 30% population educated without degree and more than 40% population educated with degree

SELECT

community\_AREA\_NUMBER,EDUCATED\_WITHOUTDEGREE, EDUCATED\_WITHDEGREE

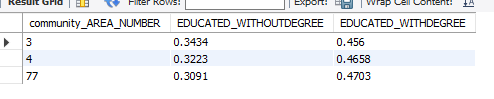
FROM

finalproject.education

WHERE

EDUCATED\_WITHOUTDEGREE > 0.3 AND

EDUCATED\_WITHDEGREE>0.4;



#Find out the crimes happened in each community area ordered by the amounts of crimes.

SELECT

cm.AREA\_NUMBER,

Count(c.CRIME\_ID) AS Crimecount

FROM

finalproject.crime as c

JOIN

finalproject.community as cm

JOIN

finalproject.fact\_table as f

WHERE

c.CRIME\_ID = f.crime\_CRIME\_ID

AND f.community\_COMMUNITY\_AREA\_NUMBER=cm.AREA\_NUMBER

GROUP BY f.community\_COMMUNITY\_AREA\_NUMBER

ORDER BY Crimecount DESC;

