**203\_Project\_NYC-ACCIDENT-RATES-IN-200**

**SQL codes**

select DATEPART(MONTH,CRASH\_DATE) as Month, count(COLLISION\_ID) AS Number\_of\_incidents from NYC\_Accidents\_2020

GROUP BY DATEPART(MONTH,CRASH\_DATE)

Order by DATEPART(MONTH,CRASH\_DATE)

select DATENAME(WEEKDAY,CRASH\_DATE) as Weekdays, count(COLLISION\_ID) AS Number\_of\_incidents from NYC\_Accidents\_2020

GROUP BY DATENAME(WEEKDAY,CRASH\_DATE)

ORDER by

CASE

WHEN DATENAME(WEEKDAY,CRASH\_DATE) = 'Sunday' THEN 1

WHEN DATENAME(WEEKDAY,CRASH\_DATE) = 'Monday' then 2

WHEN DATENAME(WEEKDAY,CRASH\_DATE) = 'Thuesday' then 3

WHEN DATENAME(WEEKDAY,CRASH\_DATE) = 'Wednesday' then 4

WHEN DATENAME(WEEKDAY,CRASH\_DATE) = 'Thersday' then 5

WHEN DATENAME(WEEKDAY,CRASH\_DATE) = 'Friday' then 6

WHEN DATENAME(WEEKDAY,CRASH\_DATE) = 'Saturday' then 7

END ASC

select DATENAME(HOUR,CRASH\_TIME) as time, count(COLLISION\_ID) AS Number\_of\_incidents from NYC\_Accidents\_2020

GROUP BY DATENAME(HOUR,CRASH\_TIME)

Order by DATENAME(HOUR,CRASH\_TIME) ASC

select TOP(10) ON\_STREET\_NAME, count(COLLISION\_ID) AS Number\_of\_incidents from NYC\_Accidents\_2020

WHERE ON\_STREET\_NAME IS NOT NULL

GROUP BY ON\_STREET\_NAME

ORDER BY count(COLLISION\_ID) DESC

select TOP(10) CROSS\_STREET\_NAME, count(COLLISION\_ID) AS Number\_of\_incidents from NYC\_Accidents\_2020

WHERE CROSS\_STREET\_NAME IS NOT NULL

GROUP BY CROSS\_STREET\_NAME

ORDER BY count(COLLISION\_ID) DESC

select BOROUGH, count(\*) as No\_of\_collisions from NYC\_Accidents\_2020

where BOROUGH is not null

group by BOROUGH

select DATEPART(MONTH,CRASH\_DATE) AS MONTH,

sum(Number\_of\_persons\_killed) as Number\_of\_persons\_killed,

sum(Number\_of\_pedestrians\_killed) AS Number\_of\_pedestrians\_killed,

sum(Number\_of\_cyclist\_killed) AS Number\_of\_cyclist\_killed,

sum(NUMBER\_OF\_MOTORIST\_KILLED) AS Number\_of\_motorist\_killed

from NYC\_Accidents\_2020

GROUP BY DATEPART(MONTH,CRASH\_DATE)

ORDER BY DATEPART(MONTH,CRASH\_DATE)

select

sum(Number\_of\_persons\_killed) as Number\_of\_persons\_killed,

sum(Number\_of\_persons\_injured) as Number\_of\_persons\_injured,

sum(Number\_of\_pedestrians\_killed) AS Number\_of\_pedestrians\_killed,

sum(Number\_of\_pedestrians\_injured) AS Number\_of\_pedestrians\_injured,

sum(Number\_of\_cyclist\_killed) AS Number\_of\_cyclist\_killed,

sum(Number\_of\_cyclist\_injured) AS Number\_of\_cyclist\_injured,

sum(NUMBER\_OF\_MOTORIST\_KILLED) AS Number\_of\_motorist\_killed,

sum(NUMBER\_OF\_MOTORIST\_injured) AS Number\_of\_motorist\_injured

from NYC\_Accidents\_2020

select DATEPART(DAY,CRASH\_DATE) as Month, count(COLLISION\_ID) AS Number\_of\_incidents from NYC\_Accidents\_2020\_Data

GROUP BY DATEPART(DAY,CRASH\_DATE)

Order by DATEPART(DAY,CRASH\_DATE)

select TOP(20) vehicle\_type\_code\_1, count(COLLISION\_ID) AS Number\_of\_incidents from NYC\_Accidents\_2020\_Data

GROUP BY vehicle\_type\_code\_1

order by count(COLLISION\_ID) desc