

SQL Queries

--How Many Car Accidents Are There in NYC Every Year?

```
Select Count(number_of_Vehicles_involved) AS NUMBER_CAR_ACCIDENT, year(collison_dt) as [Year] from FCT_COLLISION_CRASH
group by (number_of_Vehicles_involved), (collison_dt)
Order by Count(number_of_Vehicles_involved) desc
```

```
--How Many Car Accidents Are There in NYC Every Year?
Select Count(number_of_Vehicles_involved) AS NUMBER_CAR_ACCIDENT, year(collison_dt) as [Year] from FCT_COLLISION_CRASH
group by (number_of_Vehicles_involved), (collison_dt)
Order by Count(number_of_Vehicles_involved) desc
```

05 %

Results Messages		
	NUMBER_CAR_ACCIDENT	Year
1	30	2015
2	30	2014
3	27	2014
4	27	2014
5	25	2017
6	24	2018
7	24	2015
8	22	2016
9	22	2017
10	22	2020
11	21	2015
12	21	2013
13	21	2017
14	21	2018
15	20	2015
16	20	2012
17	20	2020
18	20	2014
19	20	2018
20	20	2016
21	20	2020
22	19	2018
23	19	2014
24	19	2017
25	19	2013
26	19	2016

--Which Boroughs in New York City Have the Most Accidents?

```
select TOP 1 borough, COUNT(collison_sk) AS [Most Accidents] from FCT_COLLISION_CRASH
where borough != 'No Value Provided'
group by borough
Order by COUNT(collison_sk) DESC
```

```
--Which Boroughs in New York City Have the Most Accidents?
select TOP 1 borough, COUNT(collison_sk) AS [Most Accidents] from FCT_COLLISION_CRASH
where borough != 'No Value Provided'
group by borough
Order by COUNT(collison_sk) DESC

--How Many NYC Car Accidents Result in an Injury?
select TOP 10 number_of_persons_injured, collision_id, collision_dt from FCT_COLLISION_CRASH
Group by collision_id, number_of_persons_injured, collision_dt
Order by number_of_persons_injured DESC

--Which NYC Borough Has the Most Fatal Car Accidents?
```

105 %

Results Messages		
23	19	2014
borough	Most Accidents	
1	BROOKLYN	432732

--How Many NYC Car Accidents Result in an Injury?

```
select TOP 10 number_of_persons_injured, collision_id, collision_dt from
FCT_COLLISION_CRASH
Group by collision_id, number_of_persons_injured, collision_dt
Order by number_of_persons_injured DESC
```

--How Many NYC Car Accidents Result in an Injury?

```
select TOP 10 number_of_persons_injured, collision_id, collision_dt from FCT_COLLISION_CRASH
Group by collision_id, number_of_persons_injured, collision_dt
Order by number_of_persons_injured DESC
```

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Results Messages

23 19 2014

borough	Most Accidents
1 BROOKLYN	432732

	number_of_persons_injured	collision_id	collision_dt
1	43	183929	2013-09-09 16:38:00.000
2	40	4552186	2022-07-21 05:56:00.000
3	34	4619206	2023-04-07 22:24:00.000
4	32	3204269	2015-04-17 11:43:00.000
5	31	4025003	2017-10-10 17:10:00.000
6	27	3673559	2017-05-18 11:54:00.000
7	24	3148869	2015-01-07 15:58:00.000
8	24	2879058	2012-08-01 17:00:00.000
9	24	181455	2013-07-22 18:09:00.000
10	23	4616707	2023-03-17 21:22:00.000

--Which NYC Borough Has the Most Fatal Car Accidents?

```
select TOP 10 number_of_persons_killed,borough, collision_id, collision_dt from
FCT_COLLISION_CRASH
where borough != 'No Value Provided'
Group by collision_id, number_of_persons_killed, collision_dt,borough
Order by number_of_persons_killed DESC
```

--Which NYC Borough Has the Most Fatal Car Accidents?

```
select TOP 10 number_of_persons_killed,borough, collision_id, collision_dt from FCT_COLLISION_CRASH
where borough != 'No Value Provided'
Group by collision_id, number_of_persons_killed, collision_dt,borough
Order by number_of_persons_killed DESC
```

15 %

Results Messages

number_of_persons_killed	borough	collision_id	collision_dt
8	MANHATTAN	3782508	2017-10-31 15:08:00.000
5	QUEENS	208863	2012-07-22 03:20:00.000
4	QUEENS	3752786	2017-09-18 06:17:00.000
4	QUEENS	316814	2014-04-04 22:35:00.000
3	BROOKLYN	4327676	2020-07-11 20:18:00.000
3	BROOKLYN	117875	2013-01-05 02:08:00.000
3	BROOKLYN	195451	2013-03-03 00:05:00.000
3	STATEN ISLAND	4545310	2022-07-10 20:47:00.000
3	QUEENS	4355333	2020-10-06 03:52:00.000
3	QUEENS	3251308	2015-07-01 18:06:00.000

```
--When Do Most New York City Car Accidents Happen?
Select TOP 1 [collision_time] as [Time] , Count(collision_id) as Collisions from
FCT_COLLISION_CRASH
Group by [collision_time]
Order by Count(collision_id) desc
```

```
--When Do Most New York City Car Accidents Happen?
Select TOP 1 [collision_time] as [Time] , Count(collision_id) as Collisions from FCT_COLLISION_CRASH
Group by [collision_time]
Order by Count(collision_id) desc
```

105 %

	Time	Collisions
1	16:00:00	27612

--How Common Are Bicycle Accidents in NYC?

```
Select Count([collision_id]) as [Number of collisions] , number_of_cyclist_injured AS
[Number of Bicycle Accident] from FCT_COLLISION_CRASH
Group by number_of_cyclist_injured
Order by number_of_cyclist_injured desc
```

```
--How Common Are Bicycle Accidents in NYC?
Select Count([collision_id]) as [Number of collisions] , number_of_cyclist_injured AS [Number of Bicycle Accident] from
FCT_COLLISION_CRASH
Group by number_of_cyclist_injured
Order by number_of_cyclist_injured desc
```

105 %

	Time	Collisions
1	16:00:00	27612

	Number of collisions	Number of Bicycle Accident
1	1	4
2	21	3
3	525	2
4	49532	1
5	1933152	0

--How Often Are Pedestrians Involving New York Traffic Accidents?

```
Select Count([collision_id]) as [Number of collisions] , number_of_pedestrians_injured
AS [Number of Pedestrian Accident] from FCT_COLLISION_CRASH
Group by number_of_pedestrians_injured
Order by number_of_pedestrians_injured desc
```

```
--How Often Are Pedestrians Involving New York Traffic Accidents?
```

```
Select Count([collision_id]) as [Number of collisions] , number_of_pedestrians_injured AS [Number of Pedestrian Accident] from
FCT_COLLISION_CRASH
Group by number_of_pedestrians_injured
Order by number_of_pedestrians_injured desc
```

```
--How Many Motorcyclists are Injured or Killed in NYC Accidents?
```

Time	Collisions
16:00:00	27612

Number of collisions	Number of Bicycle Accident
1	4

Number of collisions	Number of Pedestrian Accident
1	27
1	19
1	15
1	13
2	9
1	8
3	7
11	6
25	5
55	4
338	3
3347	2
100274	1
1879171	0

```
--How Many Motorcyclists are Injured or Killed in NYC Accidents?
```

```
Select Borough, Count([collision_id]) as [Number of collisions] ,
(number_of_cyclist_injured) AS [Number of cyclist Injured], number_of_cyclist_killed AS
[Number of cyclist Killed] from FCT_COLLISION_CRASH
where borough != 'No Value Provided'
Group by number_of_cyclist_injured, number_of_cyclist_killed,borough
Order by number_of_cyclist_injured desc
```

```
--How Many Motorcyclists are Injured or Killed in NYC Accidents?
```

```
Select Borough, Count([collision_id]) as [Number of collisions] , (number_of_cyclist_injured) AS [Number of cyclist Injured],
number_of_cyclist_killed AS [Number of cyclist Killed] from FCT_COLLISION_CRASH
where borough != 'No Value Provided'
Group by number_of_cyclist_injured, number_of_cyclist_killed,borough
Order by number_of_cyclist_injured desc
```

Time	Collisions
16:00:00	27612

Number of collisions	Number of Bicycle Accident
1	4

Number of collisions	Number of Pedestrian Accident
1	27

Borough	Number of collisions	Number of cyclist Injured	Number of cyclist Killed
BROOKLYN	1	4	0
BROOKLYN	1	3	0
BRONX	2	3	0
BROOKLYN	1	3	1
QUEENS	4	3	0
MANHATT...	4	3	0
BRONX	73	2	0
BROOKLYN	136	2	0
MANHATT...	76	2	0
STATEN I...	2	2	0
QUEENS	67	2	0
QUEENS	7537	1	0
QUEENS	1	1	1
STATEN I...	1	1	1
MANHATT...	1	1	2
MANHATT...	11354	1	0

--Are Trucks Involved in Many New York Accidents?

```
select COUNT(COLLISION_ID) AS [Number of collisions with Trucks Involved] from
FCT_COLLISION_CRASHES_VEHICLES CCV
JOIN dim_vehicle_type_code VTC ON CCV.VEHICLE_TYPE_CODE_SK = VTC.VEHICLE_TYPE_CODE_SK
where VTC.VEHICLE_TYPE_CODE like 'TRUCK'
```

--Are Trucks Involved in Many New York Accidents?

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select COUNT(COLLISION_ID) AS [Number of collisions with Trucks Involved] from FCT_COLLISION_CRASHES_VEHICLES CCV
JOIN dim_vehicle_type_code VTC ON CCV.VEHICLE_TYPE_CODE_SK = VTC.VEHICLE_TYPE_CODE_SK
where VTC.VEHICLE_TYPE_CODE like 'TRUCK'
```

105 %

Results Messages

	Time	Collisions
1	16:00:00	27612

	Number of collisions	Number of Bicycle Accident
1	1	4

	Number of collisions	Number of Pedestrian Accident
1	1	27

	Borough	Number of collisions	Number of cyclist Injured	Number of cyclist Killed
1	BROOKLYN	1	4	0

	Number of collisions with Trucks Involved
1	37