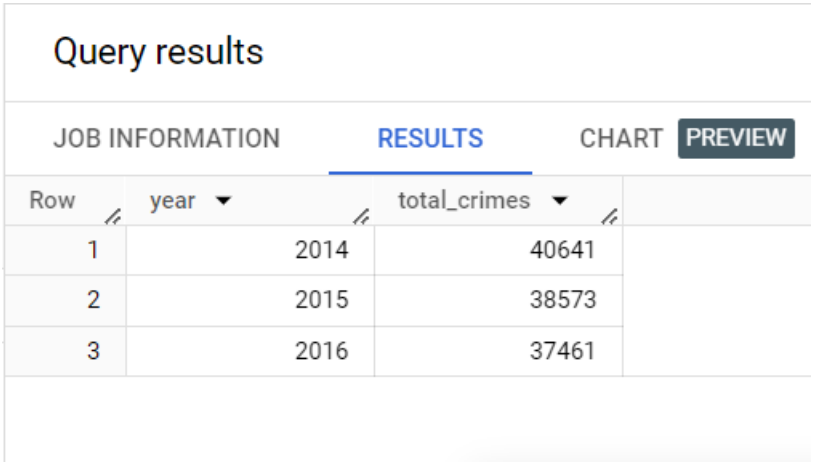
1. Count the total number of crimes in each year:

```
SELECT year, COUNT(*) AS total_crimes
FROM `bigquery-public-data.austin_crime.crime`
GROUP BY year
ORDER BY total_crimes DESC;
```



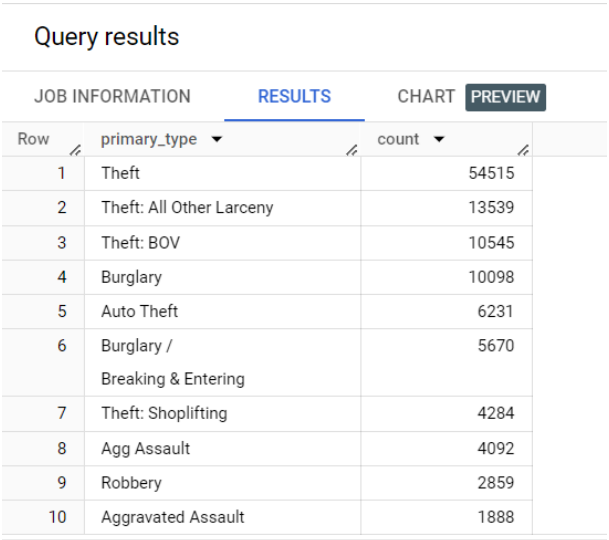
Query results

JOB INFORMATION | RESULTS | CHART | PREVIEW

Row	year	total_crimes
1	2014	40641
2	2015	38573
3	2016	37461

2. Find the most common crime type:

```
SELECT primary_type, COUNT(*) AS count
FROM `bigquery-public-data.austin_crime.crime`
GROUP BY primary_type
ORDER BY count DESC
LIMIT 10;
```



Query results

JOB INFORMATION | RESULTS | CHART | PREVIEW

Row	primary_type	count
1	Theft	54515
2	Theft: All Other Larceny	13539
3	Theft: BOV	10545
4	Burglary	10098
5	Auto Theft	6231
6	Burglary / Breaking & Entering	5670
7	Theft: Shoplifting	4284
8	Agg Assault	4092
9	Robbery	2859
10	Aggravated Assault	1888

3. Compare monthly crime trends for different years:

```
SELECT year, clearance_date, COUNT(*) AS crime_count
FROM `bigquery-public-data.austin_crime.crime`
GROUP BY year, clearance_date
ORDER BY year, clearance_date;
```

JOB INFORMATION | RESULTS | CHART | PREVIEW | JSON

Row	year	clearance_date	crime_count
1	2014	*null*	1471
2	2014	2014-01-01 12:00:00 UTC	2
3	2014	2014-01-02 12:00:00 UTC	12
4	2014	2014-01-03 12:00:00 UTC	54
5	2014	2014-01-04 12:00:00 UTC	3
6	2014	2014-01-05 12:00:00 UTC	3
7	2014	2014-01-06 12:00:00 UTC	25
8	2014	2014-01-07 12:00:00 UTC	69
9	2014	2014-01-08 12:00:00 UTC	60
10	2014	2014-01-09 12:00:00 UTC	57

4. Top 10 countries with the most confirmed COVID cases:

```
SELECT date, countries_and_territories, confirmed_cases
FROM `bigquery-public-
data.covid19_ecdc.covid_19_geographic_distribution_worldwide`
ORDER BY confirmed_cases DESC
LIMIT 10;
```

JOB INFORMATION | RESULTS | CHART PREVIEW | JSON

Row	date	countries_and_territories	confirmed_cases
1	2020-12-14	United_States_of_America	16256754
2	2020-12-13	United_States_of_America	16067031
3	2020-12-12	United_States_of_America	15851014
4	2020-12-11	United_States_of_America	15616381
5	2020-12-10	United_States_of_America	15391701
6	2020-12-09	United_States_of_America	15171676
7	2020-12-08	United_States_of_America	14954332
8	2020-12-07	United_States_of_America	14756998
9	2020-12-06	United_States_of_America	14583566
10	2020-12-05	United_States_of_America	14371633

5. Daily new COVID cases for a specific country:

```
SELECT date, confirmed_cases
FROM `bigquery-public-data.covid19_ecdc.covid_19_geographic_distribution_worldwide`
WHERE countries_and_territories = 'India'
ORDER BY date;
```

JOB INFORMATION | RESULTS | CHAR

Row	date	confirmed_cases
1	2019-12-31	0
2	2020-01-01	0
3	2020-01-02	0
4	2020-01-03	0
5	2020-01-04	0
6	2020-01-05	0
7	2020-01-06	0
8	2020-01-07	0

6. Total confirmed COVID cases worldwide:

```
SELECT SUM(confirmed_cases) AS total_cases
FROM `bigquery-public-data.covid19_ecdc.covid_19_geographic_distribution_worldwide`;
```

JOB INFORMATION | RESULTS

Row	total_cases
1	6226092609

7. Track the overall trend of confirmed COVID cases in Italy:

```
SELECT date, total_confirmed_cases
FROM `bigquery-public-data.covid19_italy.national_trends`
ORDER BY date ASC;
```

JOB INFORMATION | RESULTS | CHART PREVIEW

Row	date	total_confirmed_case
1	2020-02-24 18:00:00 UTC	229
2	2020-02-25 18:00:00 UTC	322
3	2020-02-26 18:00:00 UTC	400
4	2020-02-27 18:00:00 UTC	650
5	2020-02-28 18:00:00 UTC	888
6	2020-02-29 18:00:00 UTC	1128
7	2020-03-01 18:00:00 UTC	1694
8	2020-03-02 18:00:00 UTC	2036
9	2020-03-03 18:00:00 UTC	2502
10	2020-03-04 18:00:00 UTC	3089

8. Compare the daily increase in COVID cases with the daily increase in deaths in Italy

```
SELECT date, new_total_confirmed_cases, deaths
FROM `bigquery-public-data.covid19_italy.national_trends`
ORDER BY date ASC;
```

JOB INFORMATION | RESULTS | CHART PREVIEW | JSON

Row	date	new_total_confirmed	deaths
1	2020-02-24 18:00:00 UTC	221	7
2	2020-02-25 18:00:00 UTC	93	10
3	2020-02-26 18:00:00 UTC	78	12
4	2020-02-27 18:00:00 UTC	250	17
5	2020-02-28 18:00:00 UTC	238	21
6	2020-02-29 18:00:00 UTC	240	29
7	2020-03-01 18:00:00 UTC	566	34
8	2020-03-02 18:00:00 UTC	342	52
9	2020-03-03 18:00:00 UTC	466	79
10	2020-03-04 18:00:00 UTC	587	107

9. Compare the state level death and increase in death with national level data

```
SELECT t1.death_increase,t1.death,t2.death_increase,t2.death
FROM bigquery-public-data.covid19_tracking.national_testing_and_outcomes t1
LEFT JOIN bigquery-public-data.covid19_tracking.state_testing_and_outcomes t2
on t1.death_increase=t2.death_increase
and t1.death=t2.death
LIMIT 10;
```

JOB INFORMATION | RESULTS | CH

Row	death_increase	death
1	842	515151
2	1680	514309
3	2221	512629
4	1743	510408
5	2449	508665
6	1728	506216
7	2141	500349
8	3138	498208
9	2447	495070
10	2241	492623

10. Compare the state level negative cases and increase in negative cases with national level data

```
SELECT t1.date, t1.negative, t1.negative_increase, t2.date,t2.negative,
t2.negative_increase
FROM bigquery-public-data.covid19_tracking.national_testing_and_outcomes t1
INNER JOIN bigquery-public-data.covid19_tracking.state_testing_and_outcomes t2
on t1.negative=t2.negative
and t1.negative_increase=t2.negative_increase
LIMIT 2;
```

Query results

JOB INFORMATION | RESULTS | CHART PREVIEW | JSON | EXECUTION DETAILS | EXECUTION GRAPH

Row	date	negative	negative_increase	date_1	negative_1	negative_increase_1
1	2020-03-03	5	2	2020-03-03	5	2
2	2020-03-02	3	1	2020-03-02	3	1