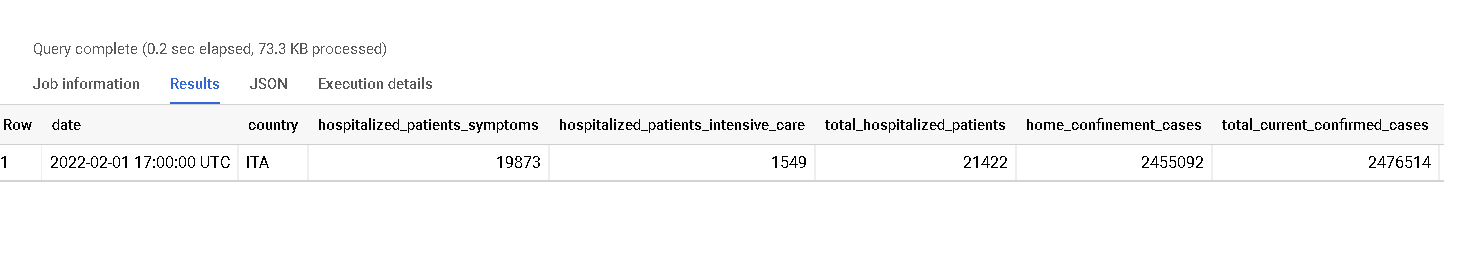
Business Analytics Assignment

Covid19\_italy

By – Riya Batra 2137048

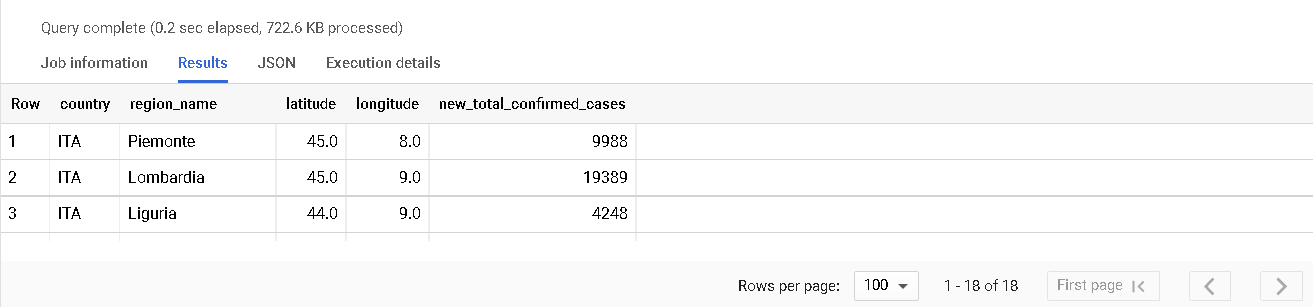
1. Query to find the nation wise trend on 2022-02-01

SELECT \* FROM `bigquery-public-data.covid19\_italy.national\_trends` where date between '2022-02-01' and '2022-02-02' LIMIT 1000



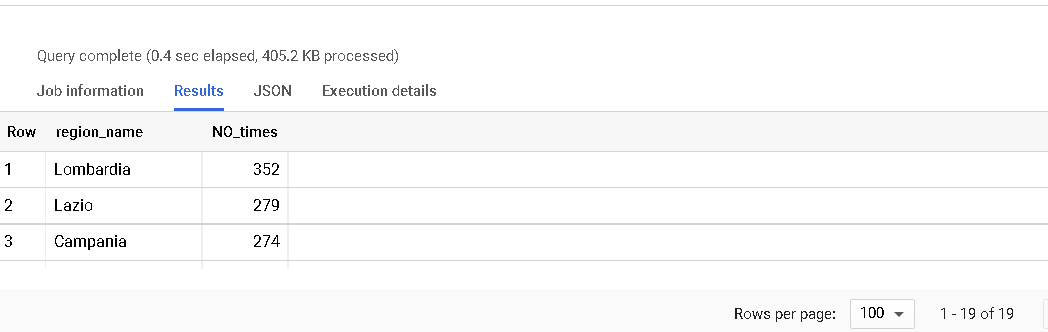
2. Query to print the details of those regions where the new total confirmed cases are greater than 1000.

SELECT country,region\_name, latitude, longitude, new\_total\_confirmed\_cases FROM `bigquery-public-data.covid19\_italy.data\_by\_region` where (date between '2022-02-01' and '2022-02-02') and new\_total\_confirmed\_cases>1000 LIMIT 1000



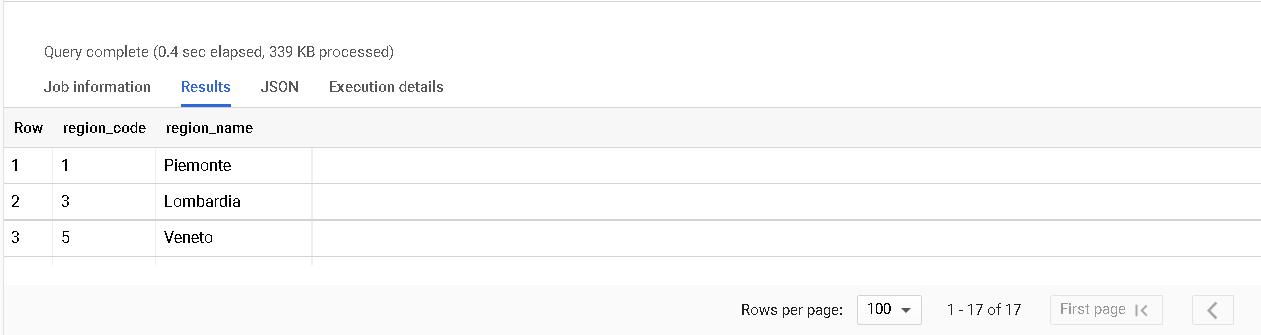
3. Query to print the number of times the cases were greater than 1000 in different regions

SELECT region\_name, COUNT(date) as NO\_times FROM `bigquery-public-data.covid19\_italy.data\_by\_region` where new\_total\_confirmed\_cases>1000 GROUP BY region\_name order by NO\_times DESC



4. Query to display the details of those regions where the number of deaths is greater than 1500

SELECT region\_code , region\_name FROM `bigquery-public-data.covid19\_italy.data\_by\_region` where deaths>1500 group by region\_code, region\_name order by cast(region\_code as numeric)



5. Query to find the positivity rate in the 2020 year.

SELECT date,country,round((((new\_total\_confirmed\_cases)/tests\_performed)\*100),2) as positive\_rate FROM `bigquery-public-data.covid19\_italy.national\_trends` where date between '2020-01-01' and '2020-12-31' order by date

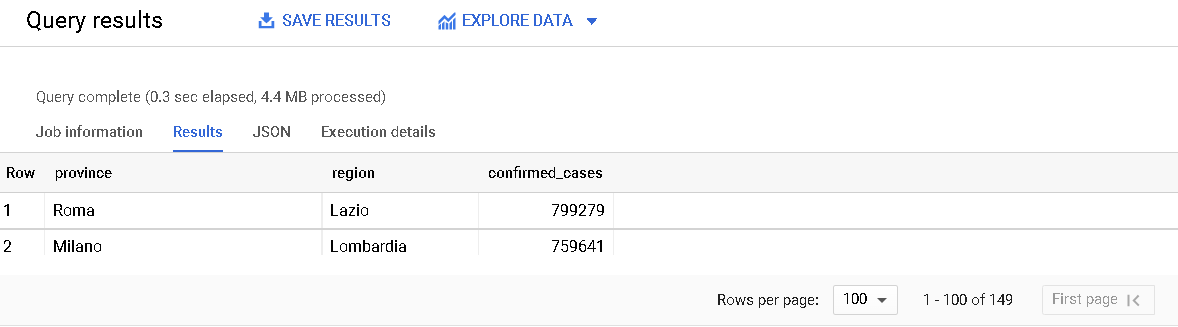


6. Query to find which provinces in Italy have the most confirmed cases?

SELECT

province\_name AS province, name AS region,

confirmed\_cases FROM `bigquery-public-data.covid19\_italy.data\_by\_province` WHERE EXTRACT(date from DATE) = DATE\_SUB(CURRENT\_DATE(),INTERVAL 1 day) ORDER BY confirmed\_cases desc



7. Query to find the percentages of tests confirmed cases.

SELECT

region\_name AS region, total\_confirmed\_cases, tests\_performed,

ROUND(total\_confirmed\_cases/tests\_performed\*100,2) AS percent\_tests\_confirmed\_cases

FROM

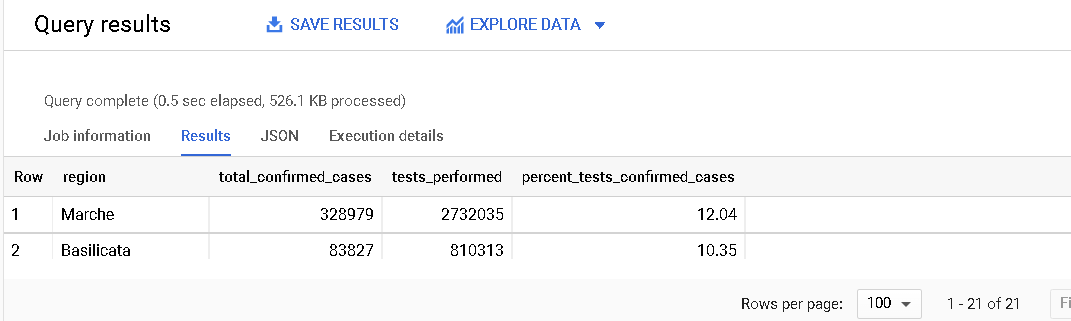
`bigquery-public-data.covid19\_italy.data\_by\_region`

WHERE

EXTRACT(date from DATE) = DATE\_SUB(CURRENT\_DATE(),INTERVAL 1 day)

ORDER BY

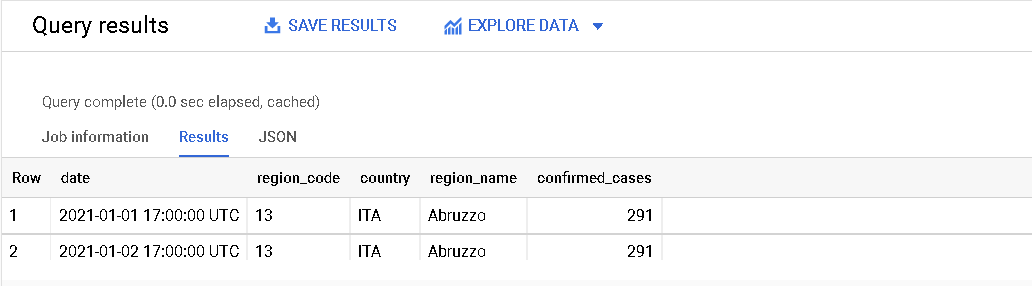
percent\_tests\_confirmed\_cases desc



8. Query to find the details of the provision along with the region details.

SELECT distinct a.date,a.region\_code,a.country,b.region\_name,a.confirmed\_cases FROM `bigquery-public-data.covid19\_italy.data\_by\_province` a

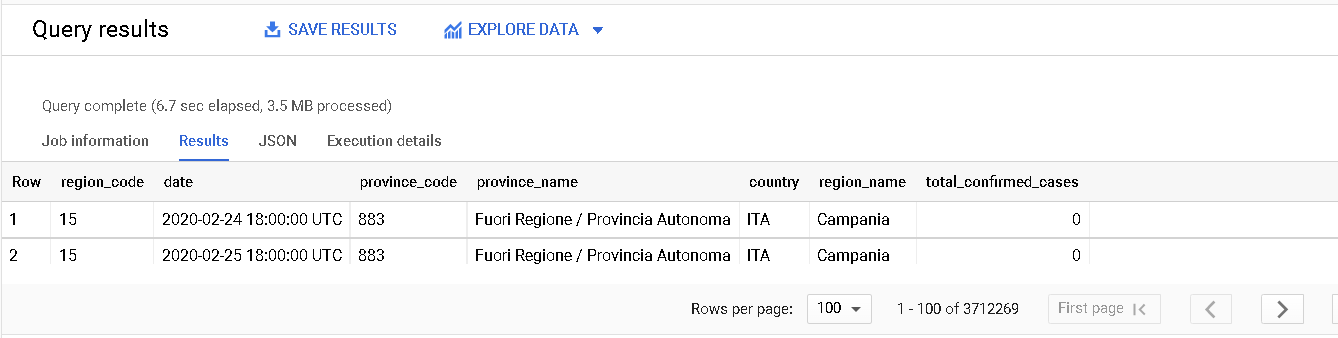
inner join `bigquery-public-data.covid19\_italy.data\_by\_region` b on a.region\_code=b.region\_code where a.date between '2021-01-01' and '2021-01-31'



9. Query to display the region's details and the province details from the region table to show the total confirmed cases.

SELECT b.region\_code,b.date,a.province\_code,a.province\_name,a.country,b.region\_name,b.total\_confirmed\_cases FROM `bigquery-public-data.covid19\_italy.data\_by\_province` a

inner join `bigquery-public-data.covid19\_italy.data\_by\_region` b on a.region\_code=b.region\_code where a.region\_code like '15';



10. Query to display total hospitalized patients, total confirmed cases, and total current confirmed cases.

SELECT b.region\_code,b.date,a.province\_code,a.province\_name,a.country,b.region\_name,b.total\_hospitalized\_patients,b.total\_current\_confirmed\_cases, b.total\_confirmed\_cases FROM `bigquery-public-data.covid19\_italy.data\_by\_province` a

inner join `bigquery-public-data.covid19\_italy.data\_by\_region` b on a.region\_code=b.region\_code;

