Data Science 4-R

G.E Group |Binar Academy

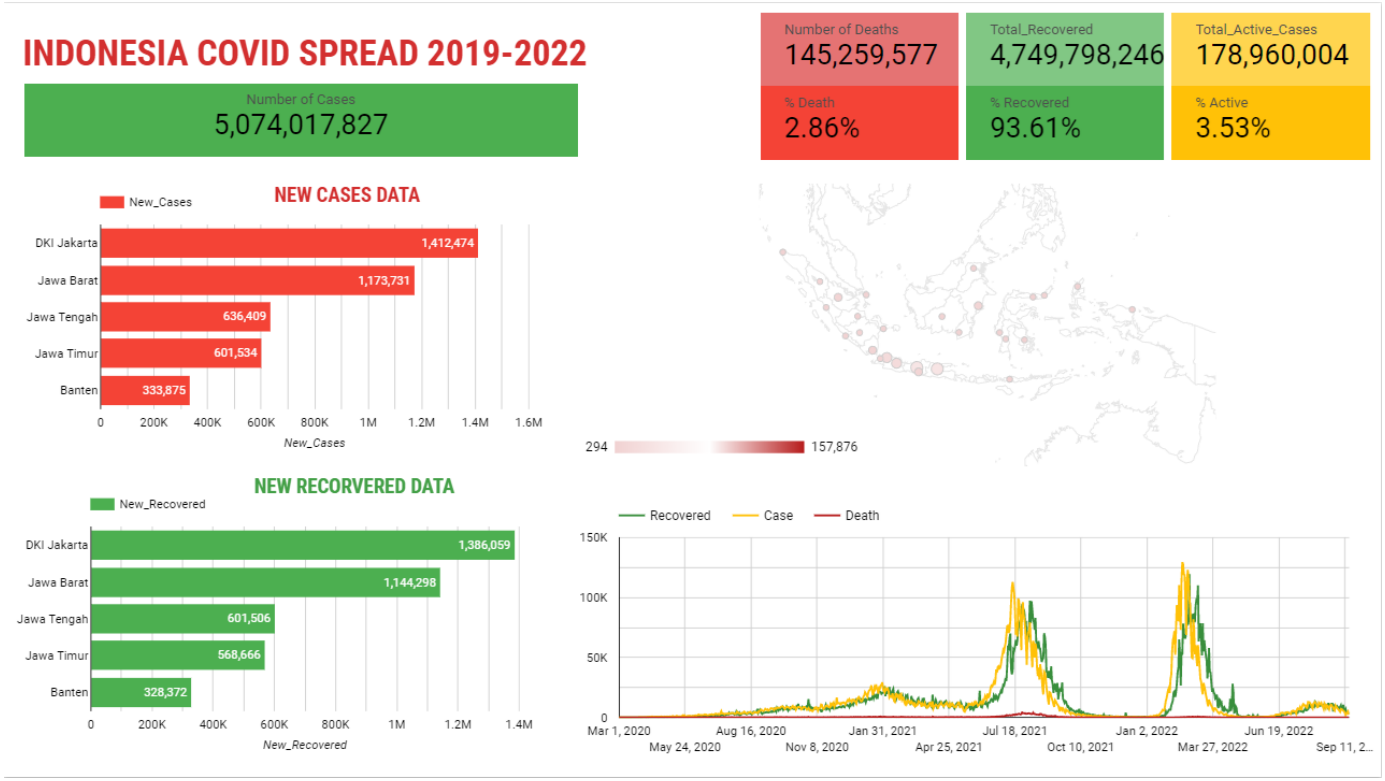
FINAL PRESENTATION BINAR ACADEMY DATA SCIENCE

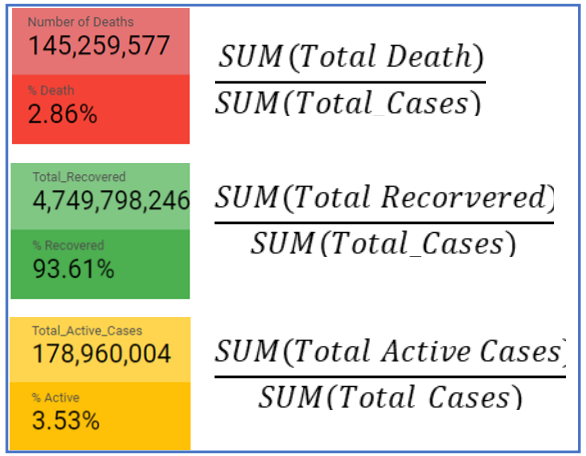
Muhammad Ghifari Kusuma

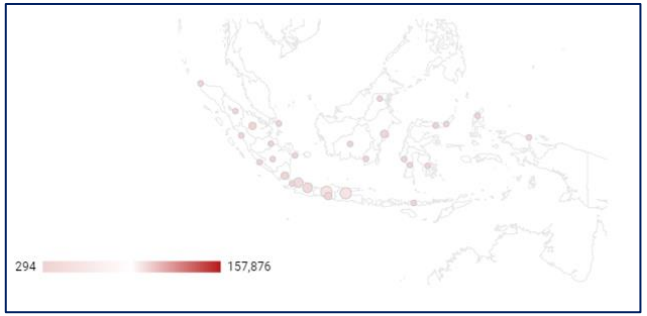
https://github.com/MasGhiff/

Google Data Studio

Dashboard Covid 19 in Indonesia







We're visualize a data about covid spread in Indonesia from 2019-2022. The visualization consist of % of death, recovered and active case. Based on time series visualization concluded, the highest spread of covid-19 was in July 2021, and March 2022. In addition, Jakarta shown the highest of New Recovered Data outperform another city, but Jakarta also shown the highest of new cases data found.

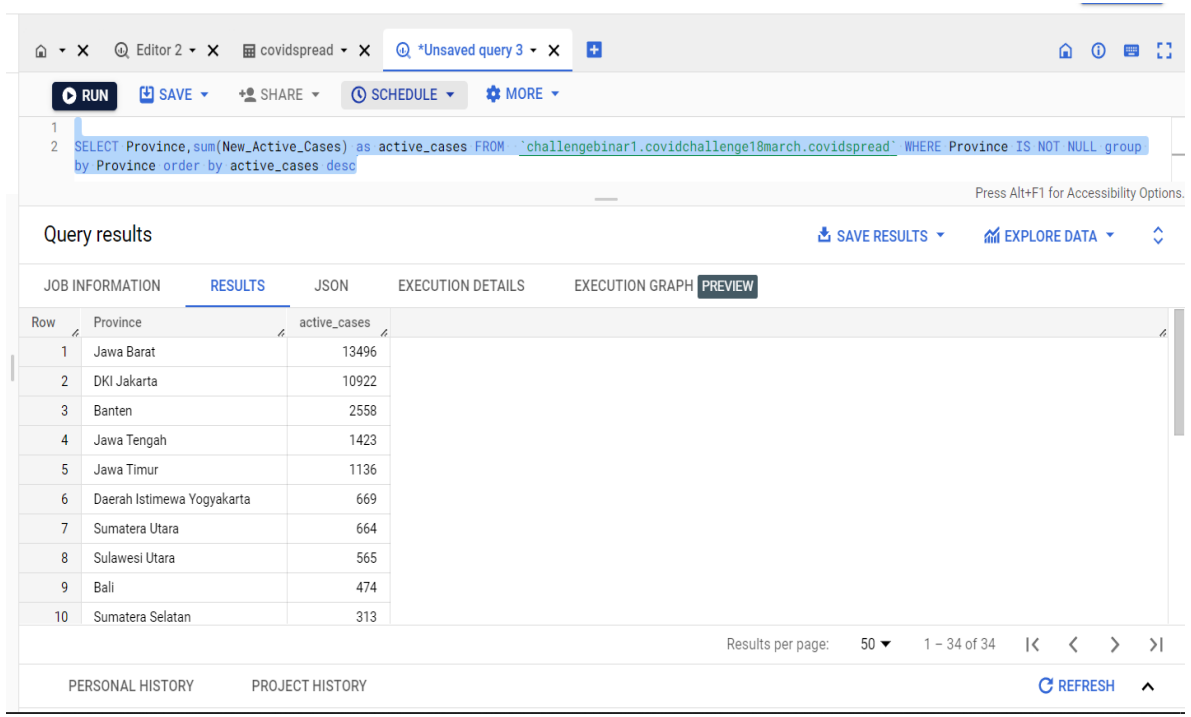
The image shown the spread of covid in each of Province. The highest number, indicates with strong red color.

SQL

Total Number New Active Covid 19

The total number of new active Covid-19 cases in each province is then sorted by the largest number of cases

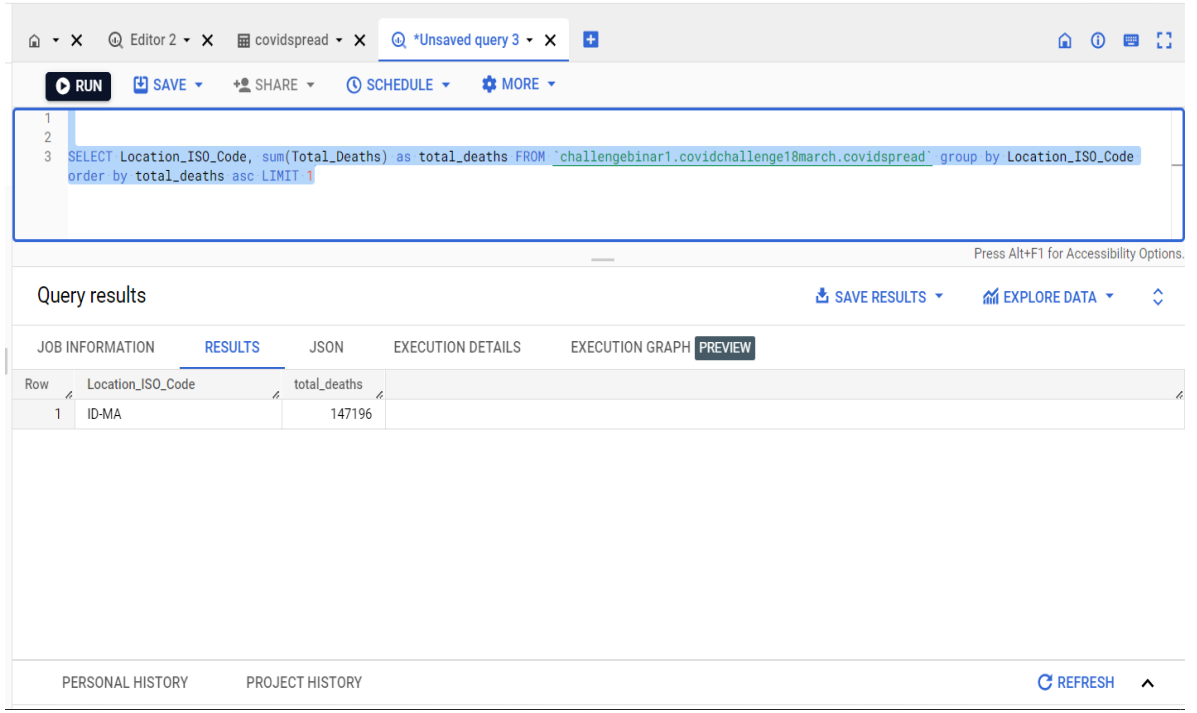
```
SELECT Province,sum(New_Active_Cases) as active_cases FROM `challengebinar1.covidchallenge18march.covidspread` WHERE Province IS NOT NULL group by Province order by active_cases desc
```



SQL
Total Number of Deaths

Take 2 (two) location iso codes that have the least total number of deaths due to Covid-19

```
SELECT Location_ISO_Code, sum(Total_Deaths) as total_deaths FROM `challengebinar1.covidchallenge18march.covidspread` group by Location_ISO_Code order by total_deaths asc LIMIT 1
```

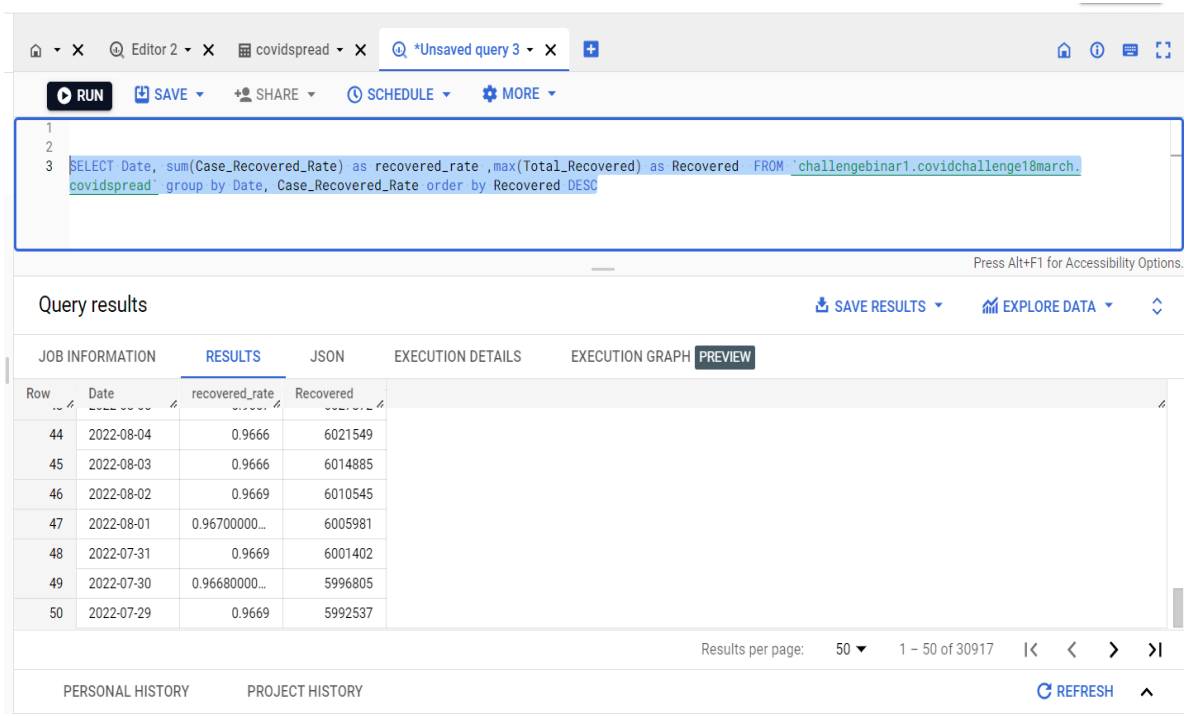


SQL

Dates Recovered Case is Highest

Data on the dates when the rate of recovered cases in Indonesia is highest and the number of rates

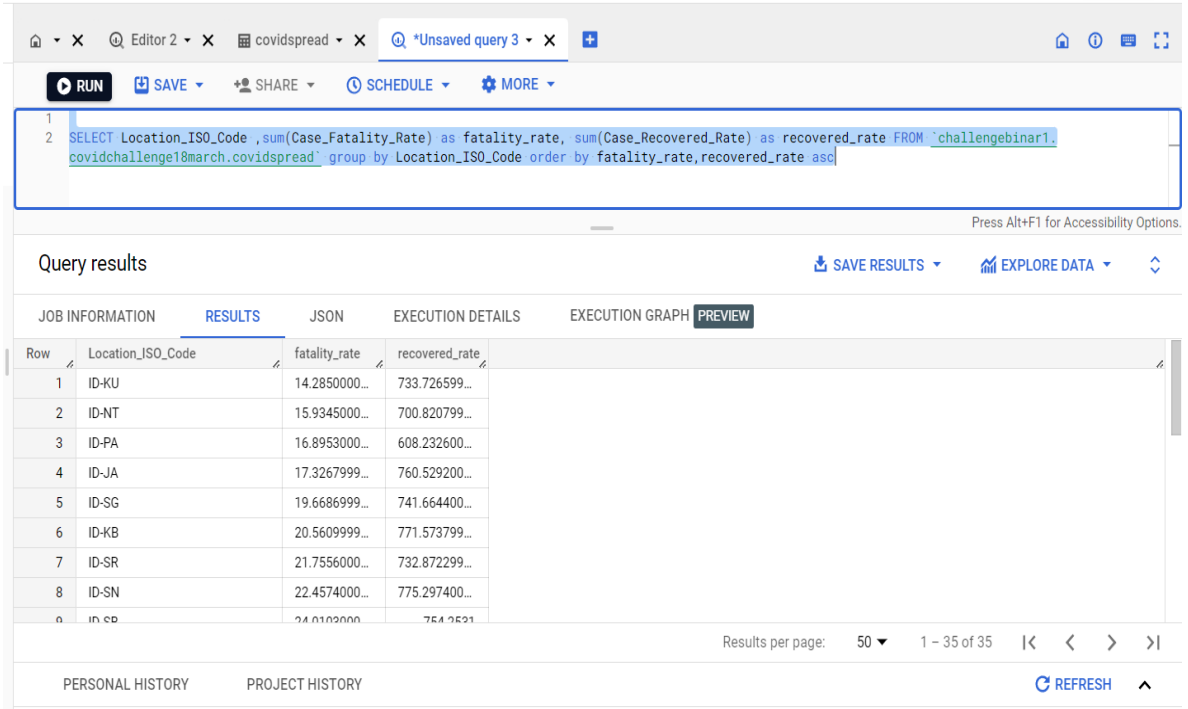
```
SELECT Date, sum(Case_Recovered_Rate) as recovered_rate ,max(Total_Recovered) as Recovered  FROM `challengebinar1.covidchallenge18march.covidspread` group by Date, Case_Recovered_Rate order by Recovered DESC
```



SQL
Total Case Fatality Rate

The total case fatality rate and case recovered rate of each location iso code sorted from the lowest data

```
SELECT Location_ISO_Code
,sum(Case_Fatality_Rate) as fatality_rate,
sum(Case_Recovered_Rate) as recovered_rate
FROM
`challengebinar1.covidchallenge18march.covidspr
ead` group by Location_ISO_Code order by
fatality_rate,recovered_rate asc
```

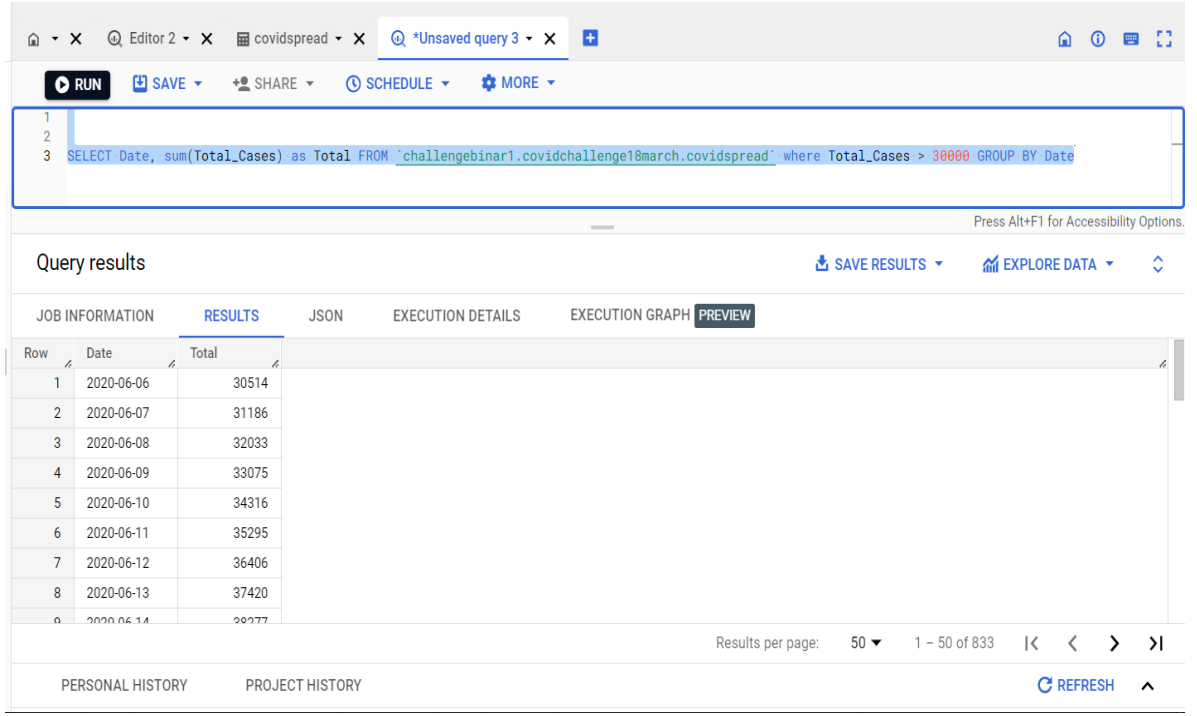


SQL

Data on Date Case Covid is Highest

Data on the dates when total Covid-19 cases began to touch the 30,000s

```
SELECT Date, sum(Total_Cases) as Total FROM `challengebinar1.covidchallenge18march.covidspread` where Total_Cases > 30000 GROUP BY Date
```

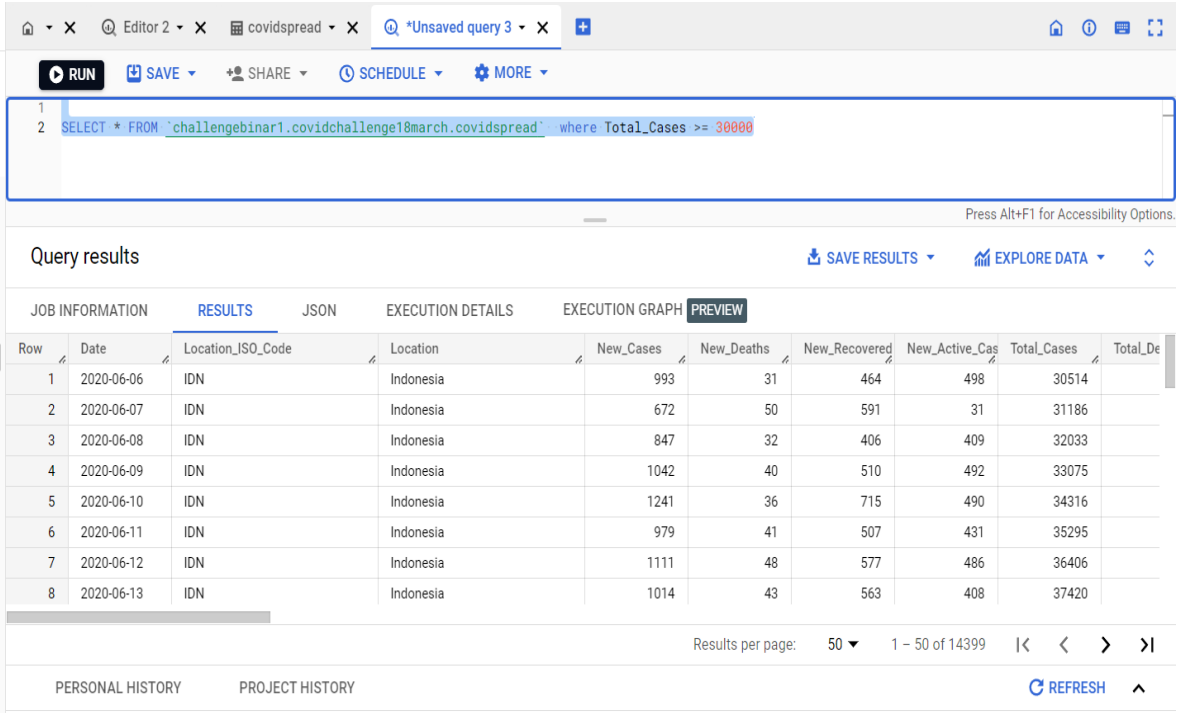


SQL

Total Data Recovered >= 30.000

The amount of data recorded when Covid-19 cases are greater than or equal to 30,000

```
SELECT * FROM `challengebinar1.covidchallenge18march.covidspread` where Total_Cases >= 30000
```



Conclusion

- The highest total number of new cases of Covid 19 in Indonesia is in West Java Province with a total of 13.496 cases
- The highest total deaths in covid 19 are located in iso code ID-MA with a total of 147,196 deaths
- As many as 30,917 data on the highest recovery rate date were recorded
- ISO Code ID-KU is recorded as the ISO Code with the lowest Total Fatality Rate and ISO Code ID-PA is recorded as the lowest recovery rate
- On Date 2020-06-06 is the first total death date to touch above 30,000 deaths
- A total of 14399 data recorded Covid 19 cases in Indonesia that exceeded the total of 30,000 cases