About COVID-19 Public Datasets

Overview:

In an effort to help combat COVID-19, we created a COVID-19 Public Datasets program to make data more accessible to researchers, data scientists and analysts. The program will host a repository of public datasets that relate to the COVID-19 crisis and make them free to access and analyze. These include the Johns Hopkins Center for Systems Science and Engineering (JHU CSSE) dataset, Global Health Data from the World Bank, and OpenStreetMap data.

Limitations and duration:

Queries of COVID data are free. If, during your analysis, you join COVID datasets with non-COVID datasets, the bytes processed in the non-COVID datasets will be counted against the free tier, then charged accordingly, to prevent abuse. Queries of COVID datasets will remain free until Sept 15, 2020.

The contents of these datasets are provided to the public strictly for educational and research purposes only. We are not onboarding or managing PHI or PII data as part of the COVID-19 Public Dataset Program.

Understanding The dataset:

# Bigquery-public-data:covid19\_jhu\_csse

This is the name of the dataset.

Dataset source: JHU CSSE

Update frequency: Daily

The whole data can be understood from <https://github.com/CSSEGISandData/COVID-19>

Github repo.

Consider this as your client dataset.

Last Modified : 28 March,2020

Data Location:US

Tables:

1. Confirmed\_cases
2. Deaths
3. Recovered\_cases
4. summary

Confirmed\_cases:

It has schema

Province\_state , country\_region , latitude , longitude, location\_geom

Province\_state : String , nullable

Country\_region : string, nullable

Latitude : float , nullable

Longitude : float , nullable

Location\_geom: GEOGRAPHY

Deaths:

It has schema

Province\_state , country\_region , latitude , longitude, location\_geom

Province\_state : String , nullable

Country\_region : string, nullable

Latitude : float , nullable

Longitude : float , nullable

Recovered\_cases:

It has schema

Province\_state , country\_region , latitude , longitude, location\_geom

Province\_state : String , nullable

Country\_region : string, nullable

Latitude : float , nullable

Longitude : float , nullable

Summary:

It has schema

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| province\_state | STRING | NULLABLE |  |  |
| country\_region | STRING | NULLABLE |  |  |
| date | DATE | NULLABLE |  |  |
| latitude | FLOAT | NULLABLE |  |  |
| longitude | FLOAT | NULLABLE |  |  |
| location\_geom | GEOGRAPHY | NULLABLE |  |  |
| confirmed | INTEGER | NULLABLE |  |  |
| deaths | INTEGER | NULLABLE |  |  |
| recovered | INTEGER | NULLABLE |  |  |
| active | INTEGER | NULLABLE |  |  |
| fips | STRING | NULLABLE |  |  |
| admin2 | STRING | NULLABLE |  |  |
| combined\_key | STRING | NULLABLE |  |  |