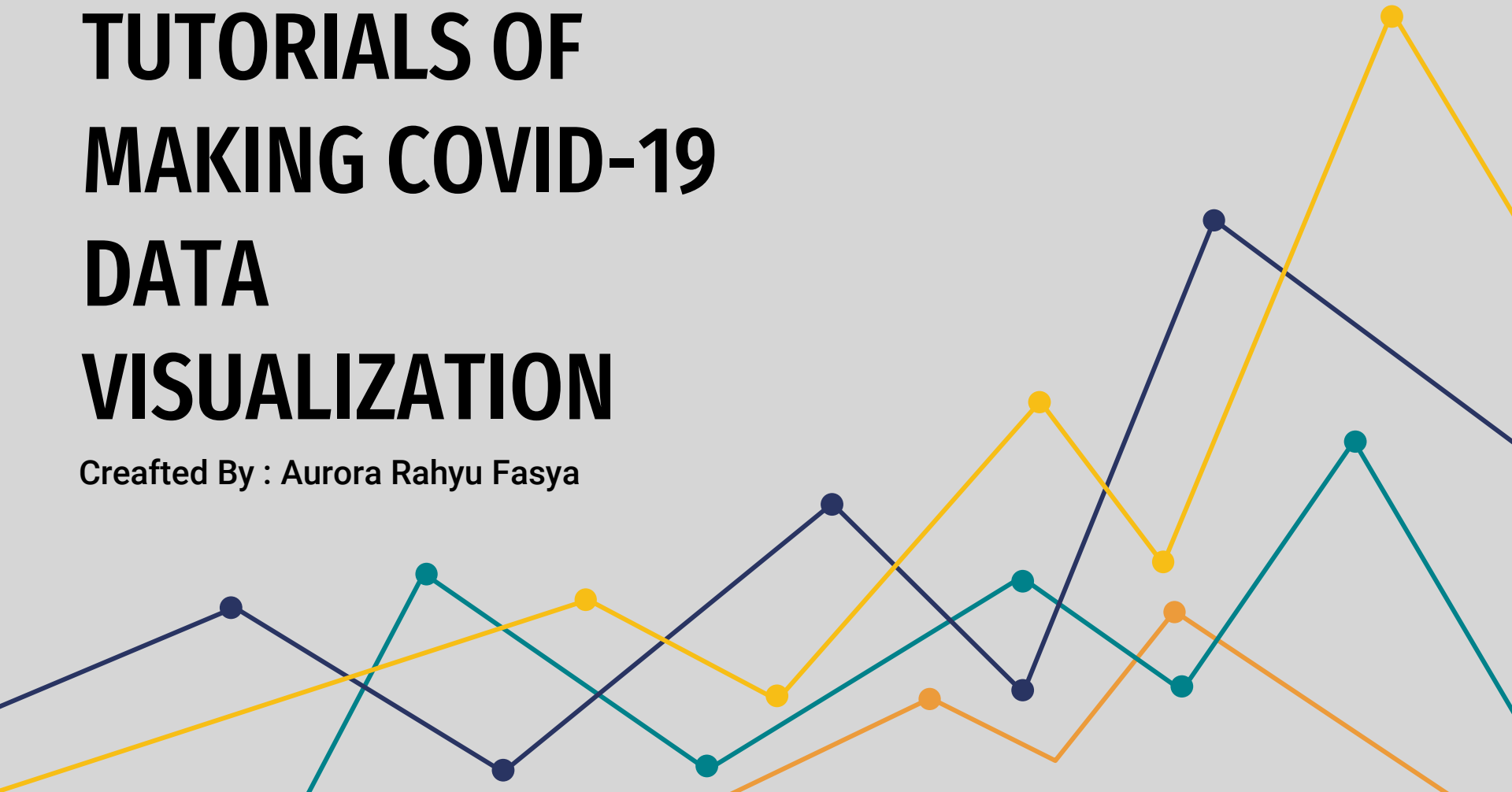


TUTORIALS OF MAKING COVID-19 DATA VISUALIZATION

Created By : Aurora Rahyu Fasya



Bio



Aurora

Profile

Summary

I have experience in the field of Economics and Business for 3 years in the field of Marketing and Banking.

Experienced in campus organizations, namely the Management Study Program Student Association for 3 years.

My background has expertise in Marketing.

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Linkedin : <http://linkedin.com/in/aurora-rahyu-fasya-6abb89204>

Step 1

The screenshot shows the Data Studio web application interface. At the top, there's a browser address bar with the URL datastudio.google.com/u/0/. Below the browser bar, there's a navigation bar with the Data Studio logo and a search bar. The main content area is divided into a left sidebar and a main workspace. The sidebar has a 'Create' button and a 'Recent' section. The main workspace has a 'Start with a Template' section with a 'Blank Report' option and a 'Template Gallery' section with three templates: 'Tutorial Report', 'Acme Marketing', and 'Search Console'.

datastudio.google.com/u/0/

Apps YouTube Gmail WhatsApp SIMAS MadepKulon Univer... Kampus Merdeka Home - Canva Orbit Guru: Log in t... AuroraRhyf Search | Kaggle Reading list

Data Studio Search Data Studio

Create

Recent Reports Data sources Explorer

Start with a Template

Blank Report Data Studio

Tutorial Report Data Studio

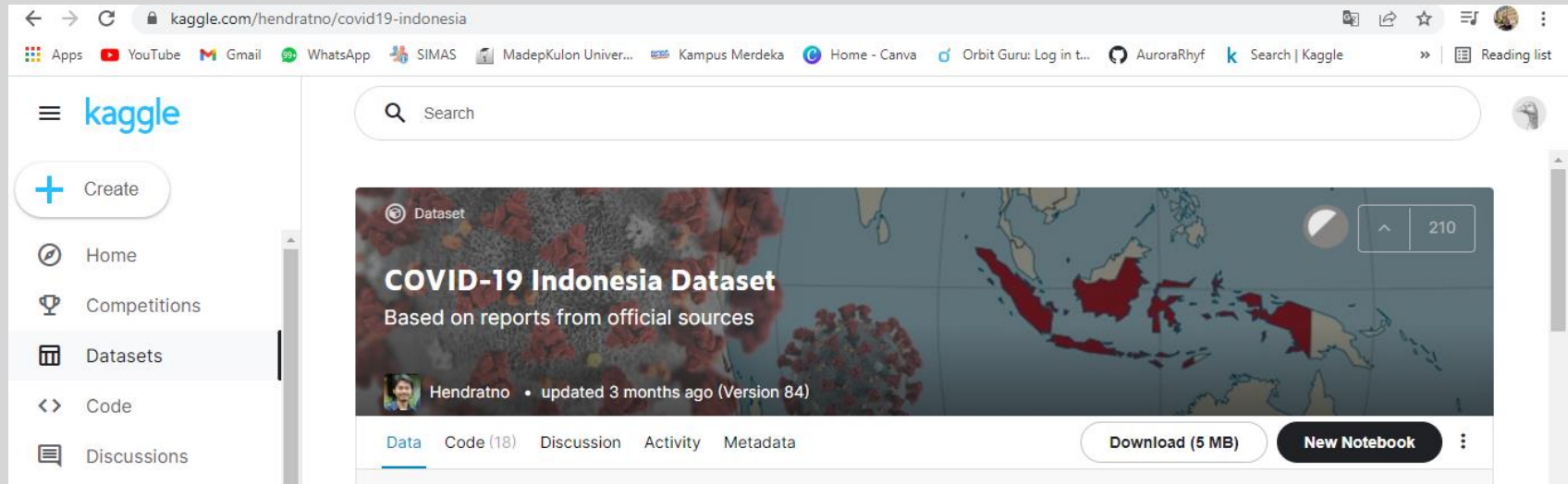
Acme Marketing Google Analytics

Search Console Report Search Console

Template Gallery

Visit <https://datastudio.google.com>
Login or sign up with your Gmail account
Then create new report / blank report

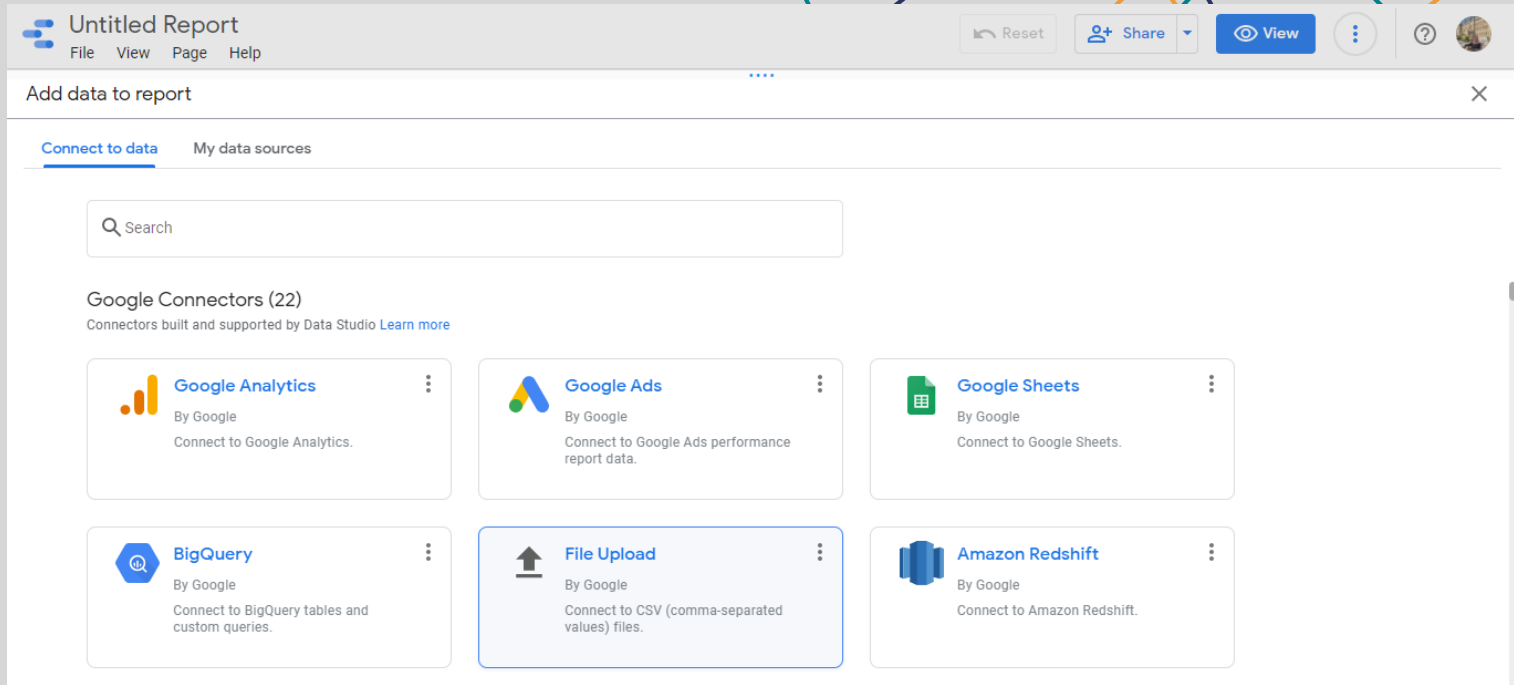
Step 2.



The screenshot shows the Kaggle website interface. The left sidebar contains navigation links: Home, Competitions, Datasets (highlighted), Code, and Discussions. The main content area displays the 'COVID-19 Indonesia Dataset' by user 'Hendratno', updated 3 months ago (Version 84). The dataset is described as 'Based on reports from official sources'. Below the description, there are tabs for 'Data', 'Code (18)', 'Discussion', 'Activity', and 'Metadata'. At the bottom right of the dataset card, there are two buttons: 'Download (5 MB)' and 'New Notebook'.

Download the dataset from Kaggle

Step 3



Upload/add the dataset to Google Data Studio

Step 4

Wait until the dataset is already uploaded

Untitled Report

File View Page Help

Reset

Share

View

?

← Add data to report

Data credentials: aurora rahyu

report on data not supported by a specific connector.

[LEARN MORE](#)

[REPORT AN ISSUE](#)

Data Sets

covid_19_indonesia_time_series_all.csv

archive.zip

covid_19_indonesia_time_series_all.csv

TOTAL FILE SIZE
5 MB (6% of 100MB used)

NUMBER OF FILES
1

CREATION DATE
3/13/22 5:25 PM

LAST MODIFIED DATE
3/13/22 5:25 PM

VIEW FILES IN CLOUD

ADD FILES

Files must contain the same schema. [Learn More](#)

File name	Uploaded at	Size	Status
covid_19_indonesia_time_series_all.csv	3/13/22 5:25 PM	5 MB	● Uploaded

DELETE DATA SET

CREATE NEW DATA SET

Cancel

Add

Step 5

Data uploaded

Untitled Report

File Edit View Insert Page Arrange Resource Help

Reset Share View ?

Undo Redo Select Add page Add data Add a chart Add a control Add a dimension Add a metric Theme and layout

	Location ISO Code	Record Count
1.	ID-JK	642
2.	IDN	642
3.	ID-RI	641
4.	ID-JB	640
5.	ID-BT	637
6.	ID-JT	635
7.	ID-SG	633
8.	ID-BA	632
9.	ID-NT	631

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Chart > Table

DATA STYLE

Data source

covid_19_indonesi...

BLEND DATA

Date Range Dimension

Date

Dimension

Location ISO Code

Add dimension

Drill down

Metric

Record Count

Add metric

Optional metrics

Available Fields

Type to search

Growth Factor of New...

Island

Latitude

Location

Location ISO Code

Location

Longitude

New Active Cases

New Cases

New Cases per Million

New Deaths

New Deaths per Million

New Recovered

ADD A FIELD

ADD A PARAMETER

Step 6

Untitled Report

File Edit View Insert Page Arrange Resource Help

Reset Share View

↩ ↪ ⌨ Add page 📄 Add data 📊 Add a chart ⚙ Add a control < > 🖨 Theme and layout

	Location ISO Code	Record Count
1.	ID-JK	642
2.	IDN	642
3.	ID-RI	641
4.	ID-JB	640
5.	ID-BT	637
6.	ID-JT	635
7.	ID-SG	633
8.	ID-BA	632
9.	ID-WI	632

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Chart > Table

DATA STYLE

Data source

covid_19_indonesi...

BLEND DATA

Date Range Dimension

Date

Dimension

Location ISO Code

Add dimension

Drill down

Metric

Record Count

Add metric

Optional metrics

Available Fields

Type to search

Growth Factor of New...

Island

Latitude

Location

Location ISO Code

Longitude

New Active Cases

New Cases

New Cases per Million

New Deaths

New Deaths per Million

New Recovered

ADD A FIELD

ADD A PARAMETER

Add Location to Dimension

Step 7

The screenshot shows the Tableau Desktop interface with a table view of COVID-19 data. The table has two columns: 'Location' and 'New Cases'. The data is sorted by 'New Cases' in descending order. The right sidebar shows the 'Available Fields' list, which includes various dimensions and metrics. The 'New Cases' metric is highlighted, indicating it is the current selection.

	Location	New Cases
1.	Indonesia	4,257,243
2.	DKI Jakarta	864,008
3.	Jawa Barat	707,934
4.	Jawa Tengah	486,435
5.	Jawa Timur	399,467
6.	Kalimantan Timur	158,245
7.	Daerah Istimewa Yogyakarta	156,769
8.	Banten	132,693
9.

Available Fields:

- Location (Dimension)
- Location Level (Dimension)
- Longitude (Dimension)
- New Active Cases (Metric)
- New Cases (Metric)
- New Cases per Million (Metric)
- New Deaths per Million (Metric)
- New Recovered (Metric)
- Population (Dimension)
- Population Density (Dimension)
- Province (Dimension)
- Special Status (Dimension)
- Time Zone (Dimension)

Then, add New Cases to Metric and remove Record Count from Metric

Step 8

We want to remove Indonesia from the lists bcs we just need to show Province in "Location" How?

The screenshot shows the 'Untitled Report' interface. The main table displays COVID-19 data for various locations in Indonesia. The table has three columns: an index, 'Location', and 'New Cases'. The locations listed are Indonesia, DKI Jakarta, Jawa Barat, Jawa Tengah, Jawa Timur, Kalimantan Timur, Daerah Istimewa Yogyakarta, Banten, Riau, Bali, Sulawesi Selatan, Sumatera Utara, Sumatera Barat, Kalimantan Selatan, and Nusa Tenggara Timur. The 'New Cases' column shows values ranging from 64,035 to 4,257,243. The sidebar on the right shows the 'Chart > Table' view. Under the 'DATA' tab, there are options for 'Default date range' (Auto, Custom), 'Auto date range', 'Comparison date range' (None), and 'Filter'. The 'Table Filter' section has a blue button labeled 'ADD A FILTER'. The 'Chart interactions' section has a 'Cross-filtering' toggle. The 'Available Fields' list on the right includes 'Area (km2)', 'Case Fatality Rate', 'Case Recovered Rate', 'City or Regency', 'Continent', 'Country', 'Date', 'Growth Factor of New...', 'Island', 'Latitude', 'Location', 'Location ISO Code', and 'Location Level'. At the bottom of the sidebar, there are buttons for 'ADD A FIELD' and 'ADD A PARAMETER'.

	Location	New Cases
1.	Indonesia	4,257,243
2.	DKI Jakarta	864,008
3.	Jawa Barat	707,934
4.	Jawa Tengah	486,435
5.	Jawa Timur	399,467
6.	Kalimantan Timur	158,245
7.	Daerah Istimewa Yogyakarta	156,769
8.	Banten	132,693
9.	Riau	128,824
10.	Bali	114,233
11.	Sulawesi Selatan	109,919
12.	Sumatera Utara	106,045
13.	Sumatera Barat	89,849
14.	Kalimantan Selatan	69,927
15.	Nusa Tenggara Timur	64,035

Just scroll down & click the "Add A Filter" menu

Step 9

Untitled Report

File Edit View Insert Page Arrange Resource Help

Reset Share View

Add page Add data Add a chart Add a control Theme and layout

	Location	New Cases
1.	Indonesia	4,257,243
2.	DKI Jakarta	864,008
3.	Java Barat	707,934
4.	Java Tengah	486,435

Filter picker

CREATE A FILTER

Create Filter

NAME covid_19_indonesia_time_series_all.csv

Exclude Location Contains Indonesia OR

AND

This filter has 1 clause

SAVE

Then, choose Exlude – Location – Contains – indonesia to remove Indonesia from the lists

Step 10

Untitled Report

File Edit View Insert Page Arrange Resource Help

Reset Share View ?

Add page Add data Add a chart Add a control Theme and layout

	Location	New Cases
1.	DKI Jakarta	864,008
2.	Jawa Barat	707,934
3.	Jawa Tengah	486,435
4.	Jawa Timur	399,467
5.	Kalimantan Timur	158,245
6.	Daerah Istimewa Yogyakarta	156,769
7.	Banten	132,693
8.	Riau	128,824
9.	Bali	114,233
10.	Sulawesi Selatan	109,919
11.	Sumatera Utara	106,045
12.	Sumatera Barat	89,849
13.	Kalimantan Selatan	69,927
14.	Nusa Tenggara Timur	64,035
15.	Sumatera Selatan	59,937

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Chart > Table

DATA STYLE

Default date range

Auto

Custom

Auto date range

Comparison date range

None

Filter

Table Filter

Location filter

ADD A FILTER

Chart interactions

Cross-filtering

Available Fields

Type to search

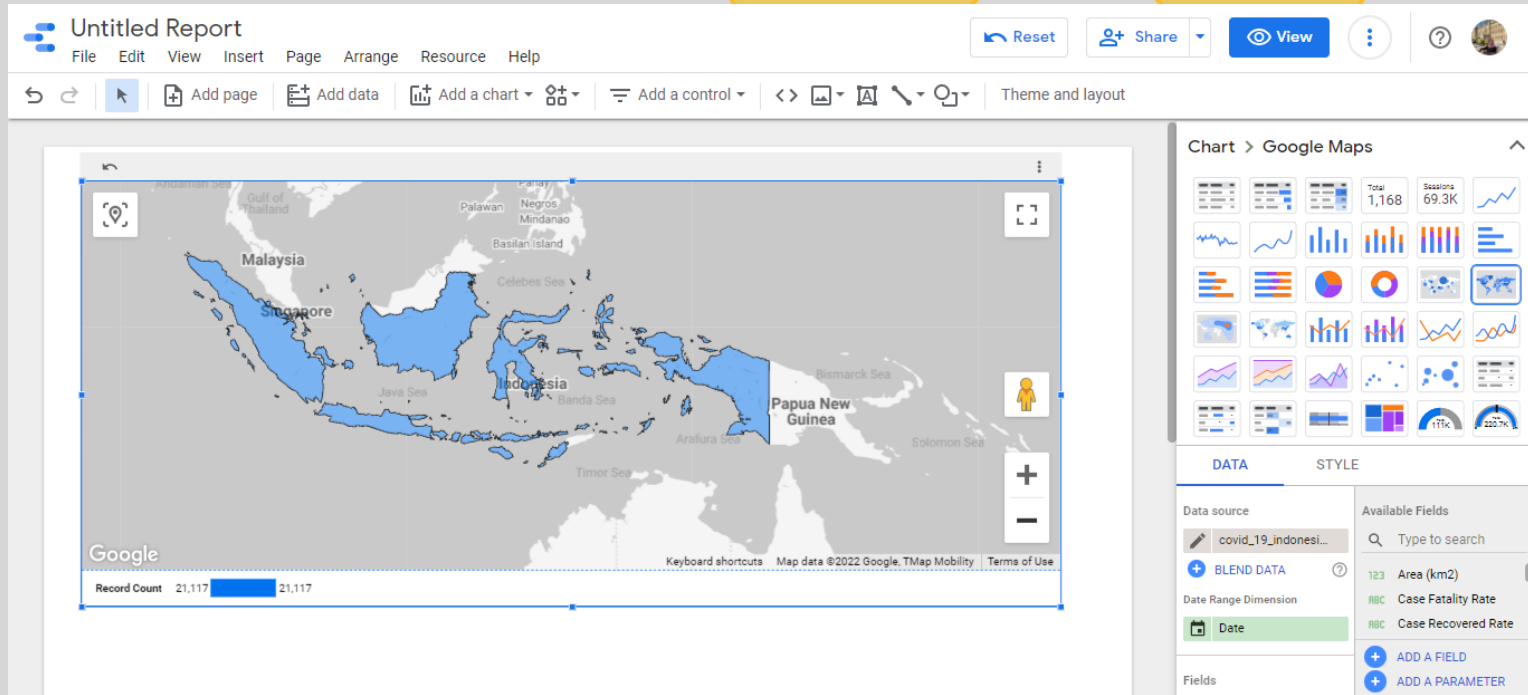
- 123 Area (km2)
- RBC Case Fatality Rate
- RBC Case Recovered Rate
- RBC City or Regency
- RBC Continent
- Country
- Date
- RBC Growth Factor of New...
- RBC Growth Factor of New...
- RBC Island
- 123 Latitude
- RBC Location
- RBC Location ISO Code
- RBC Location Level

ADD A FIELD

ADD A PARAMETER

Already removed

Step 11



Then, change the chart style from “Table” to “Google Maps”

Step 12

Klik “Edit Data Source”

The screenshot displays the Google Data Studio interface. At the top, the title bar reads "Untitled Report". Below it is a menu bar with options: File, Edit, View, Insert, Page, Arrange, Resource, and Help. A secondary toolbar contains icons for undo, redo, pan, add page, add data, add chart, add control, and theme and layout. The main workspace features a map of Southeast Asia, with Indonesia highlighted in blue. The map includes labels for Malaysia, Singapore, Indonesia, Papua New Guinea, and various seas like the Java Sea, Banda Sea, and Timor Sea. At the bottom left of the map, it shows "Record Count 21,117". On the right side, the "Chart > Google Maps" panel is open. It displays a grid of chart types and summary statistics: Total 1,168 and Sessions 69.3K. Below the grid, there are tabs for "DATA" and "STYLE". The "DATA" tab is active, showing the "Data source" as "covid_19_indonesi...". It also includes a "Blend Data" button, a "Date Range Dimension" set to "Date", and a list of "Available Fields" including "Area (km2)", "Case Fatality Rate", and "Case Recovered Rate". At the bottom of the panel, there are buttons to "ADD A FIELD" and "ADD A PARAMETER".

Step 13

The screenshot shows the Tableau Desktop interface with the 'Edit Connection' dialog open for a CSV data source named 'covid_19_indonesia_time_series_all.csv'. The dialog has three main sections: 'Fields', 'Dimensions', and 'Measures'. In the 'Fields' section, 'Province' is highlighted. In the 'Dimensions' section, 'Country subdivision (1st level)' is selected. The 'Measures' section shows 'Total Active Cases'. The 'Data source editors can now refresh fields, edit connections, and edit custom SQL.' message is visible at the top of the dialog. The 'REFRESH FIELDS' button is at the bottom left. The 'DONE' button is at the top right of the dialog. The background shows a map of Indonesia and a 'Chart > Google Maps' panel.

Tableau Desktop Interface - Edit Connection Dialog

Data source: covid_19_indonesia_time_series_all.csv

Data credentials: aurora rahyu | Data freshness: 12 hours | Community visualizations access: On | DONE

EDIT CONNECTION | FILTER BY EMAIL

Data source editors can now refresh fields, edit connections, and edit custom SQL.

Field ↓

- Population Density
- Province
- Special Status
- Time Zone
- Total Active Cases

123 Numeric

ABC Text

Date & Time

Boolean

Geo

123 Currency

URL

Continent

Subcontinent

Country

Country subdivision (1st level)

Country subdivision (2nd level)

Designated market area

City

Postal code

Address

Latitude, Longitude

ADD A FIELD | ADD A PARAMETER

Dismiss

Search fields

39 / 39 Fields

REFRESH FIELDS

Then, scroll to dimension “province” and change type from “Text” to “Geo” and choose “Country Subdivision (1st Level)”

Step 14

Click Continue

The screenshot shows a data visualization tool interface. At the top, there's a header bar with "Untitled Report" and navigation links: File, Edit, View, Insert, Page, Arrange, Resource, Help. Below this is a toolbar with icons for undo, redo, add page, add data, add chart, add control, and theme and layout. The main workspace displays a map of Indonesia with a data layer. A modal dialog is open in the center, containing the following text:

You are changing Province from Text to Country subdivision (1st level).
If you're sure you want to make this change, click CONTINUE.

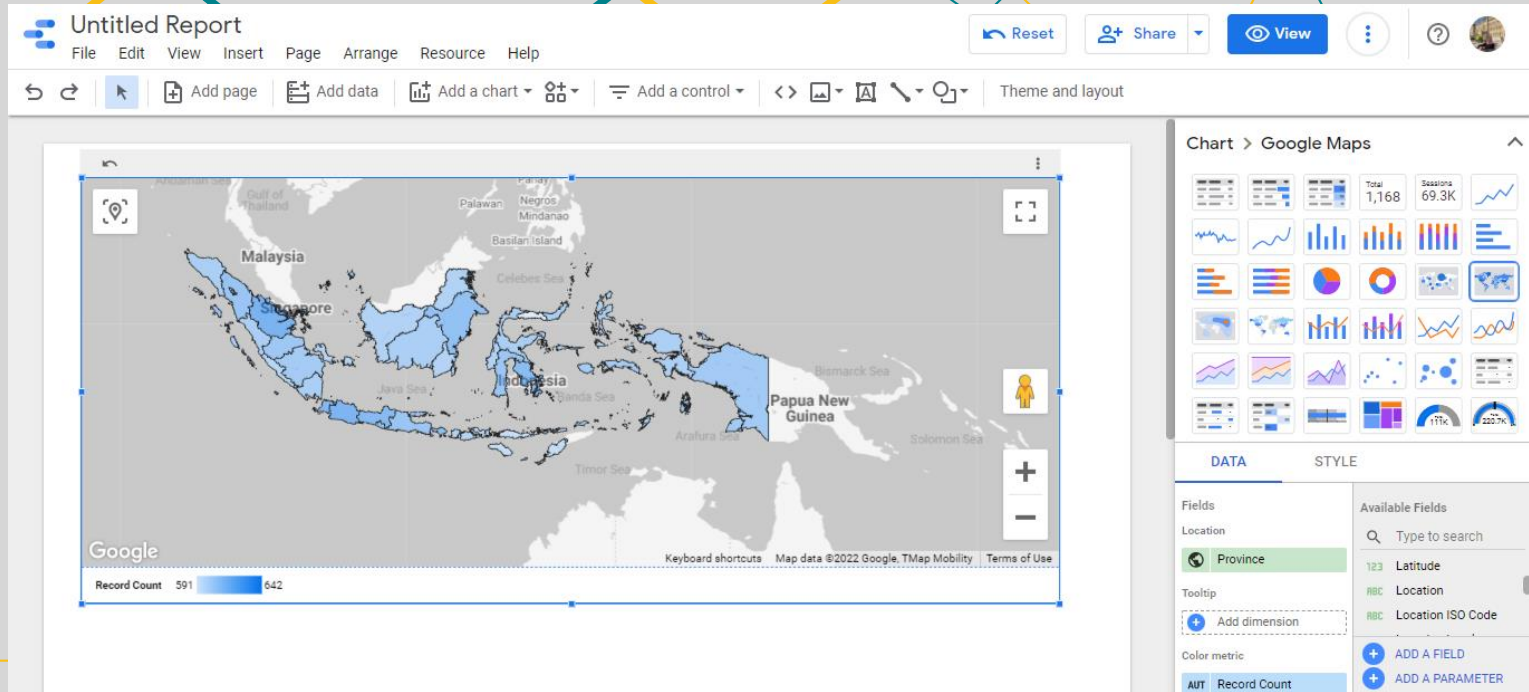
At the bottom of the modal are two buttons: "CANCEL" and "CONTINUE".

In the background, the interface shows a data source named "covid_19_indonesia_time_series_all.csv". Below this is a table with the following columns: Field, Type, and a dropdown menu. The table contains the following rows:

Field	Type	
Population Density	123	Number
Province	ABC	Text
Special Status	ABC	Text
Time Zone	ABC	Text
Total Active Cases	123	Number

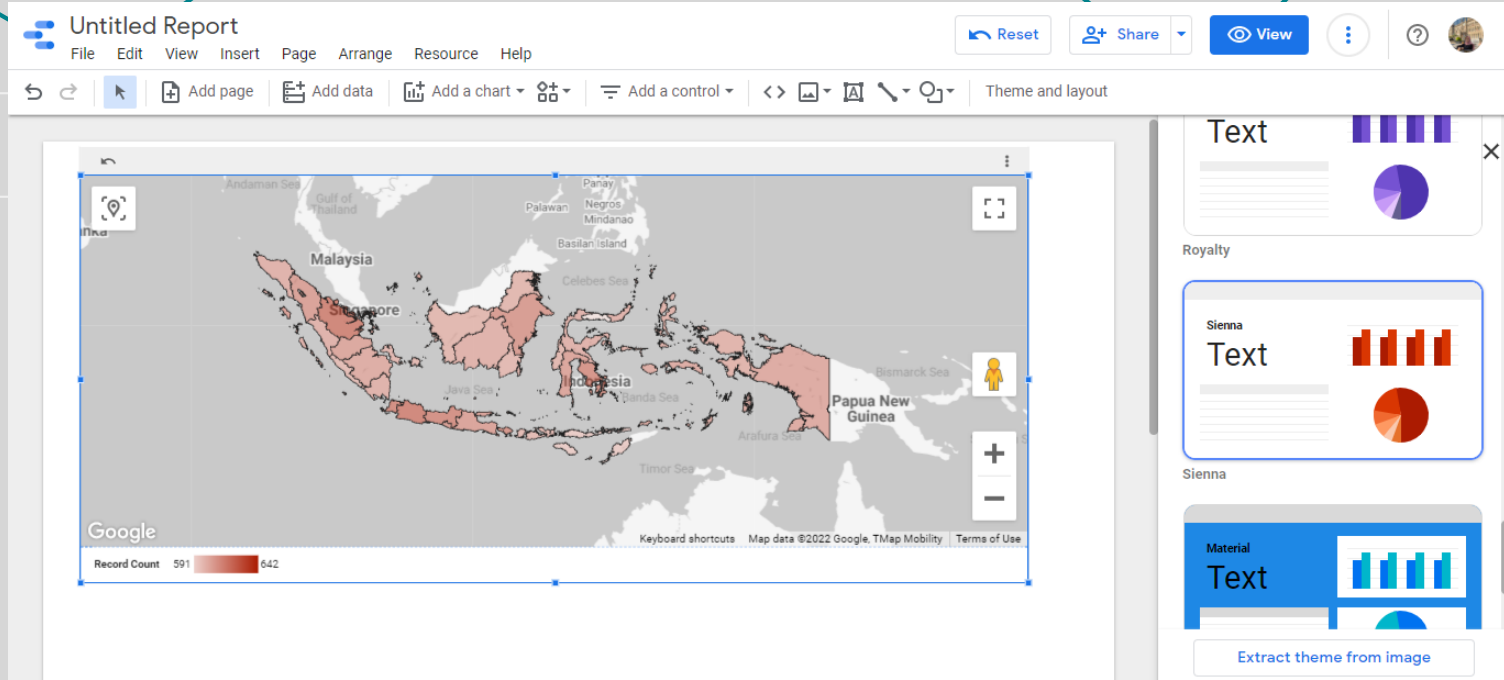
At the bottom of the interface, there is a "REFRESH FIELDS" button and a status bar indicating "39 / 39 Fields".

Step 15



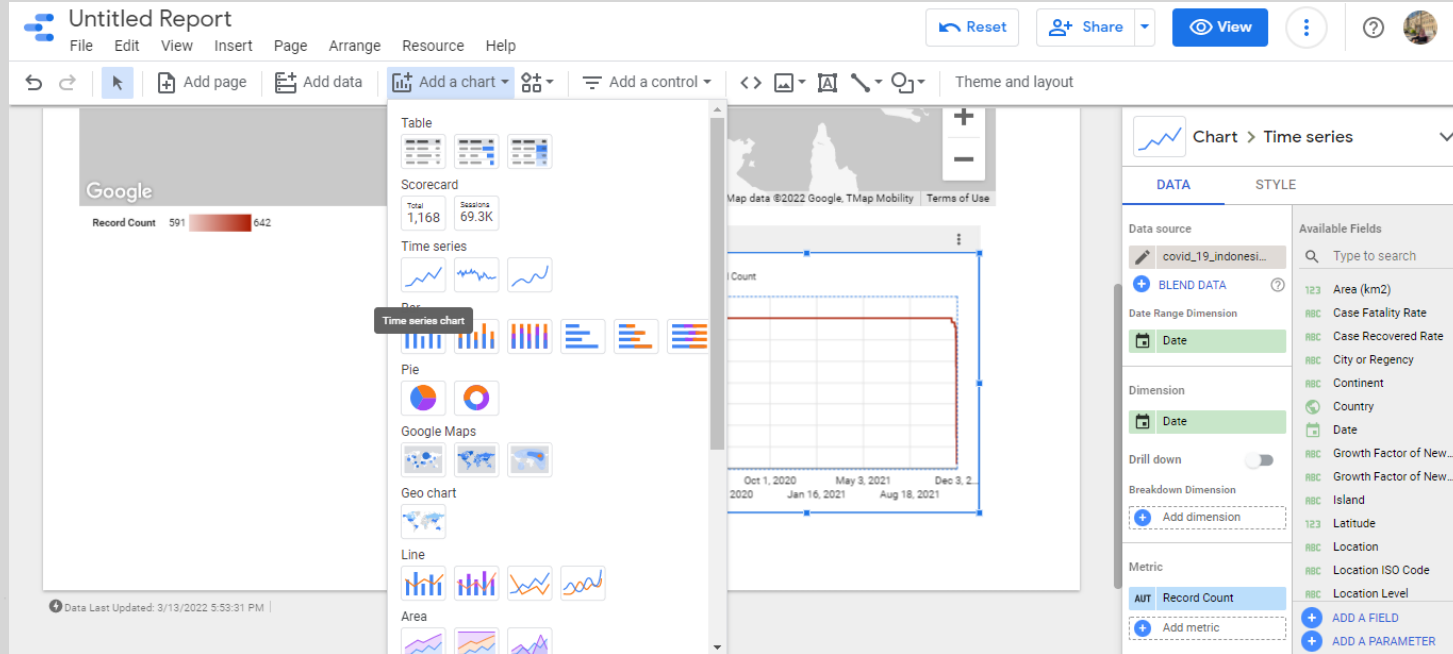
**Add / drag "Province" to Location,
and remove "Country" from Location**

Step 16



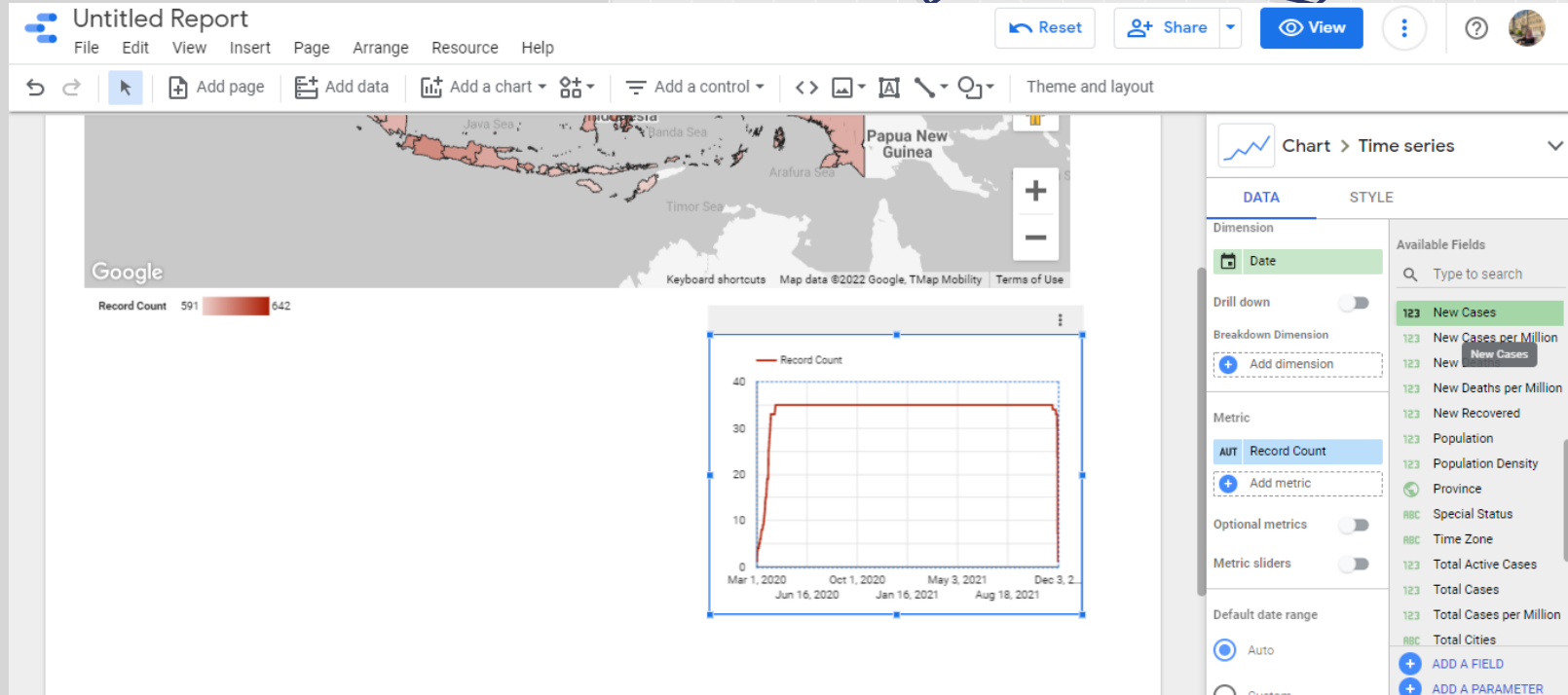
Its already finished. We can change the chart style to Dark Mode

Step 17



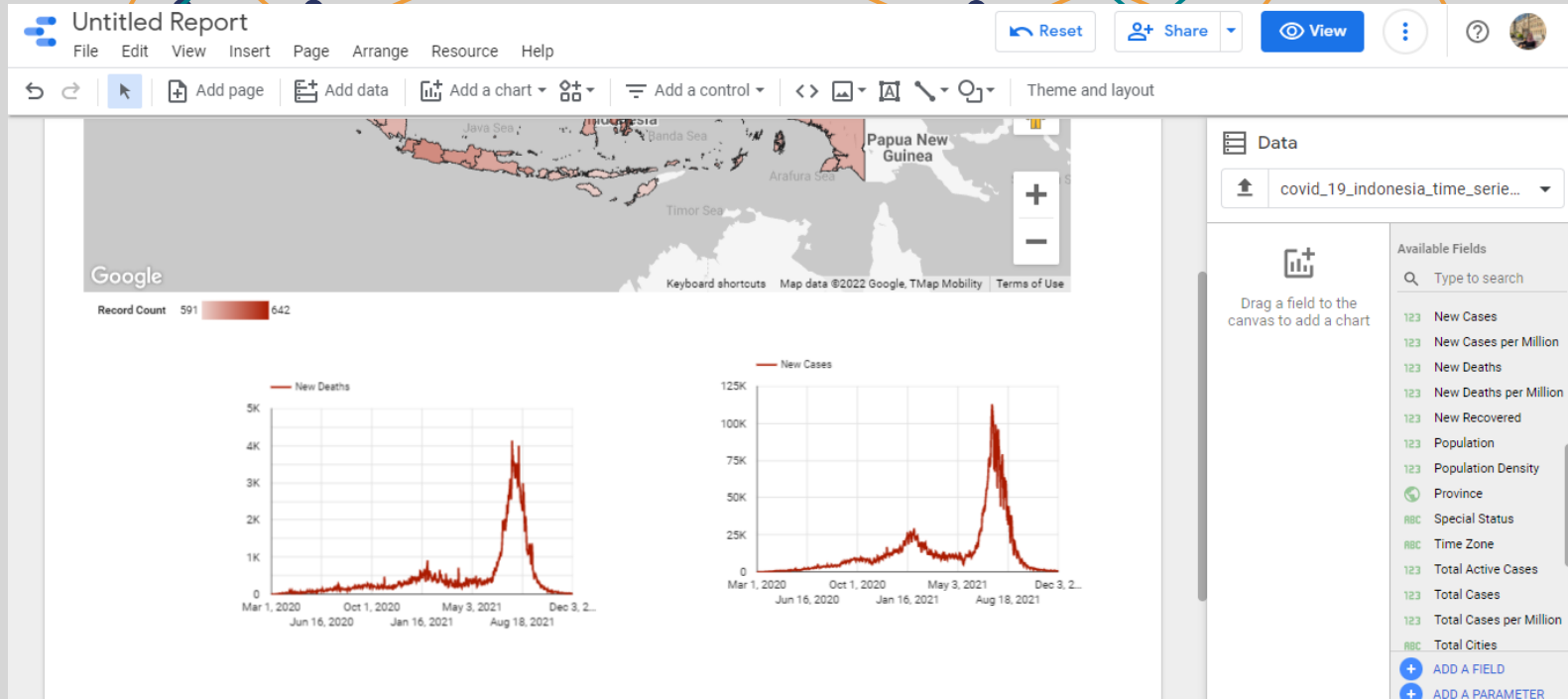
**Add a chart “time series” to visualize
covid-19 case report based on the time**

Step 18



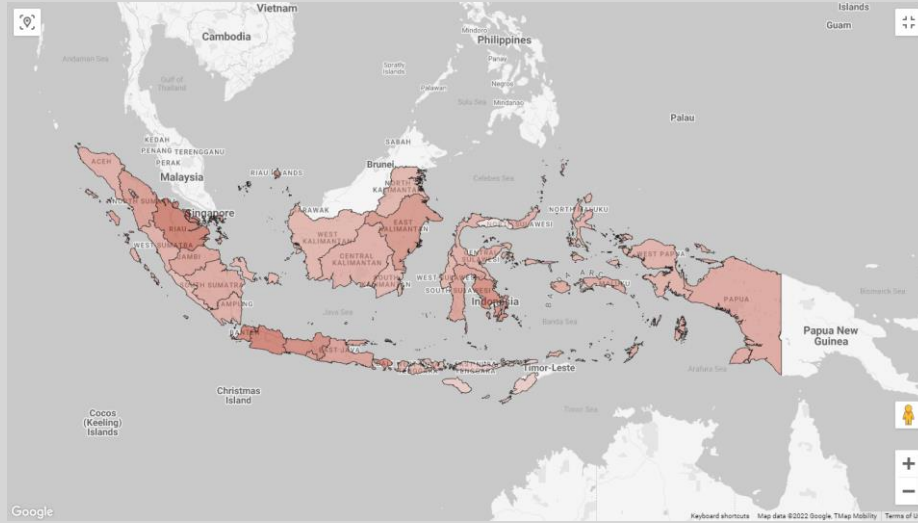
Change "Record Count" to "New Cases" to get the New Cases data of Covid-19

Step 20



Then, change “ new cases” to “new deaths” to get the new deaths data of covid-19

Finished



Total Confirmed Cases
4,256,914



Total Deaths
143,805

