



Tugas Data Studio

MUHAMAD NAUFAL BURHANUDDIN BALIT

Perkenalan

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- Universitas : Universitas Amikom Purwokerto
- Jurusan : Informatika

Masuk Ke datastudio.google.com dan pilih Blank Report

The screenshot displays the Google Data Studio web interface. At the top, there's a header with the 'Data Studio' logo, a search bar labeled 'Search Data Studio', and user controls (help, settings, profile). Below the header, a 'Create' button is visible on the left. The main navigation bar includes 'Recent', 'Reports', 'Data sources', and 'Explorer'. The 'Recent' tab is active, showing a list of reports. The first report is a 'Blank Report' by 'Data Studio', which is highlighted. Other reports include 'Tutorial Report', 'Acme Marketing' (Google Analytics), and 'Search Console Report' (Search Console). A table at the bottom lists the reports with columns for Name, Owner, and Last opened by me.

Name	Owned by anyone	Last opened by me
Blank Report Data Studio		
Tutorial Report Data Studio		
Acme Marketing Google Analytics		
Search Console Report Search Console		

Pilih File Upload

The screenshot shows the Google Data Studio interface. At the top, the title bar reads 'Untitled Report' with a menu (File, View, Page, Help) and buttons for 'Reset', 'Share', 'View', and a user profile icon. Below this is a toolbar with icons for 'Add page', 'Add data', 'Add a chart', 'Add a control', and 'Theme and layout'. The main area displays the 'Add data to report' dialog, which has a search bar and a grid of data source options. The 'File Upload' option is highlighted, showing its icon (an upward arrow) and description: 'By Google. Connect to CSV (comma-separated values) files.' Other visible options include BigQuery, AppSheet, Amazon Redshift, Campaign Manager 360, and Cloud Spanner.

Untitled Report
File View Page Help

Reset Share View

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

Add data to report

Connect to data My data sources

Search

BigQuery
By Google
Connect to BigQuery tables and custom queries.

AppSheet
By Google
Connect to AppSheet app data.

File Upload
By Google
Connect to CSV (comma-separated values) files.

Amazon Redshift
By Google
Connect to Amazon Redshift.

Campaign Manager 360
By Google
Connect to Campaign Manager 360 data.

Cloud Spanner
By Google
Connect to Google Cloud Spanner databases.

Upload dataset yang sudah disediakan

Untitled Report
File View Page Help

Reset Share View

← Add data to report Data credentials: Muhamad Naufal Burhanuddin Balit

You can bring data into Data Studio from almost any source by uploading CSV (comma-separated values) files. File upload lets you report on data not supported by a specific connector.

[LEARN MORE](#) [REPORT AN ISSUE](#)

Data Sets

- covid fix.csv
- covid_19_indonesia_time_series_all.csv

CREATE NEW DATA SET

Drag files here to create a new Data Set.

Or, if you prefer

[CLICK TO UPLOAD FILES](#)

Cancel Add

Tunggu file selesai di upload

VIEW FILES IN CLOUD

<div>ADD FILES</div> <div>Files must contain the same schema. Learn More</div>			
File name	Uploaded at	Size	Status
covid_19_indonesia_time_series_all.csv	9/10/22 5:39 PM	4 MB	<div></div> Uploading (40%)
covid fix.csv	9/10/22 4:36 PM	4 MB	<div></div> Uploaded

Setelah selesai, pilih Add

covid fix.csv

TOTAL FILE SIZE	NUMBER OF FILES	CREATION DATE	LAST MODIFIED DATE
7 MB (8% of 100MB used)	2	9/10/22 4:35 PM	9/10/22 5:40 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	9/10/22 5:40 PM	4 MB	● Uploaded
covid fix.csv	9/10/22 4:36 PM	4 MB	● Uploaded


DELETE DATA SET

Cancel

Add

Pilih Add To Report

You are about to add data to this report

 covid fix.csv

Note that **Report Editors** can create charts using the new data source(s), and can add dimensions and metrics not currently included in the report.

☐ Don't show me this again

CANCEL

ADD TO REPORT

Dataset berhasil di upload dan berhasil terbaca

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-JI	549
2.	ID-JK	496
3.	IDN	495
4.	ID-JB	495
5.	ID-RI	495
6.	ID-BT	491
7.	ID-JT	489
8.	ID-SG	487
n		1 - 34 / 34

Chart

SETUP STYLE

Data source

covid fix.csv

BLEND DATA

Date Range Dimension

Date

Dimension

Location ISO Code

Add dimension

Drill down

Metric

AUT Record Count

Add metric

Optional metrics

Data

Search

covid fix.csv

- 123 Area (km2)
- ABC Case Fatality Rate
- ABC Case Recovered R...
- ABC City or Regency
- ABC Continent
- ABC Country
- ABC Date
- ABC Growth Factor of ...
- ABC Growth Factor of ...
- ABC Hidden
- ABC Island
- ABC Item
- ABC Kind
- 123 Latitude
- ABC Location
- ABC Location ISO Code
- ABC Location Level

+ Add Data

Drag location pada bagian Data, kemudian drop pada Dimension

The screenshot shows the 'Untitled Report' interface. The main area displays a table with the following data:

	Location	Record Count
1.	Jawa Timur	549
2.	DKI Jakarta	496
3.	Indonesia	495
4.	Jawa Barat	495
5.	Riau	495
6.	Banten	491
7.	Jawa Tengah	489
8.	Sulawesi Tenggara	487
n

The sidebar on the right contains the following sections:

- Chart** (SETUP, STYLE)
- Data** (Search, covid fix.csv)
- Dimension** (Location, Add dimension)
- Metric** (Record Count, Add metric)
- Optional metrics** (Add Data)

Drag New Cases pada bagian Data, kemudian drop pada Metric

The screenshot displays the Qlik Sense interface for an 'Untitled Report'. The main view shows a table with COVID-19 case data. The right-hand panel is open to the 'Data' section, where the 'New Cases' metric is being configured.

	Location	New Cases
1.	Indonesia	2,455,912
2.	DKI Jakarta	636,346
3.	Jawa Barat	440,379
4.	Jawa Tengah	285,348
5.	Jawa Timur	189,705
6.	Kalimantan Timur	83,762
7.	Riau	74,899
8.	Daerah Istimewa Yogyakarta	72,560
9.	Otherworldy Corona	47,700

Configuration Panel (Data Section):

- Data source:** covid fix.csv
- Blend Data:** (Enabled)
- Date Range Dimension:** Date
- Dimension:** Location
- Drill down:** (Disabled)
- Metric:** SUM New Cases
- Optional metrics:** (Disabled)

Data List (Right Panel):

- covid fix.csv
- Date
- Growth Factor of ...
- Hidden
- Island
- Item
- Kind
- Latitude
- Location
- Location ISO Code
- Location Level
- Longitude
- Name
- New Active Cases
- New Cases
- New Cases per Mi...
- New Deaths

Karena Terdapat Indonesia, maka Indonesia dihilangkan dengan cara scroll ke bawah, kemudian pilih add a filter

The screenshot shows the Power BI 'Untitled Report' interface. The main area displays a table with the following data:

	Location	New Cases
1.	Indonesia	2,455,912
2.	DKI Jakarta	636,346
3.	Jawa Barat	440,379
4.	Jawa Tengah	285,348
5.	Jawa Timur	189,705
6.	Kalimantan Timur	83,762
7.	Riau	74,899
8.	Daerah Istimewa Yogyakarta	72,560
9.	Other regions	...

The right-hand pane shows the 'Data' section with a search bar and a list of fields. The 'Filter' section is expanded, showing 'Table Filter' and 'ADD A FILTER'. The 'Chart' section is also visible, showing 'SETUP' and 'STYLE' tabs.

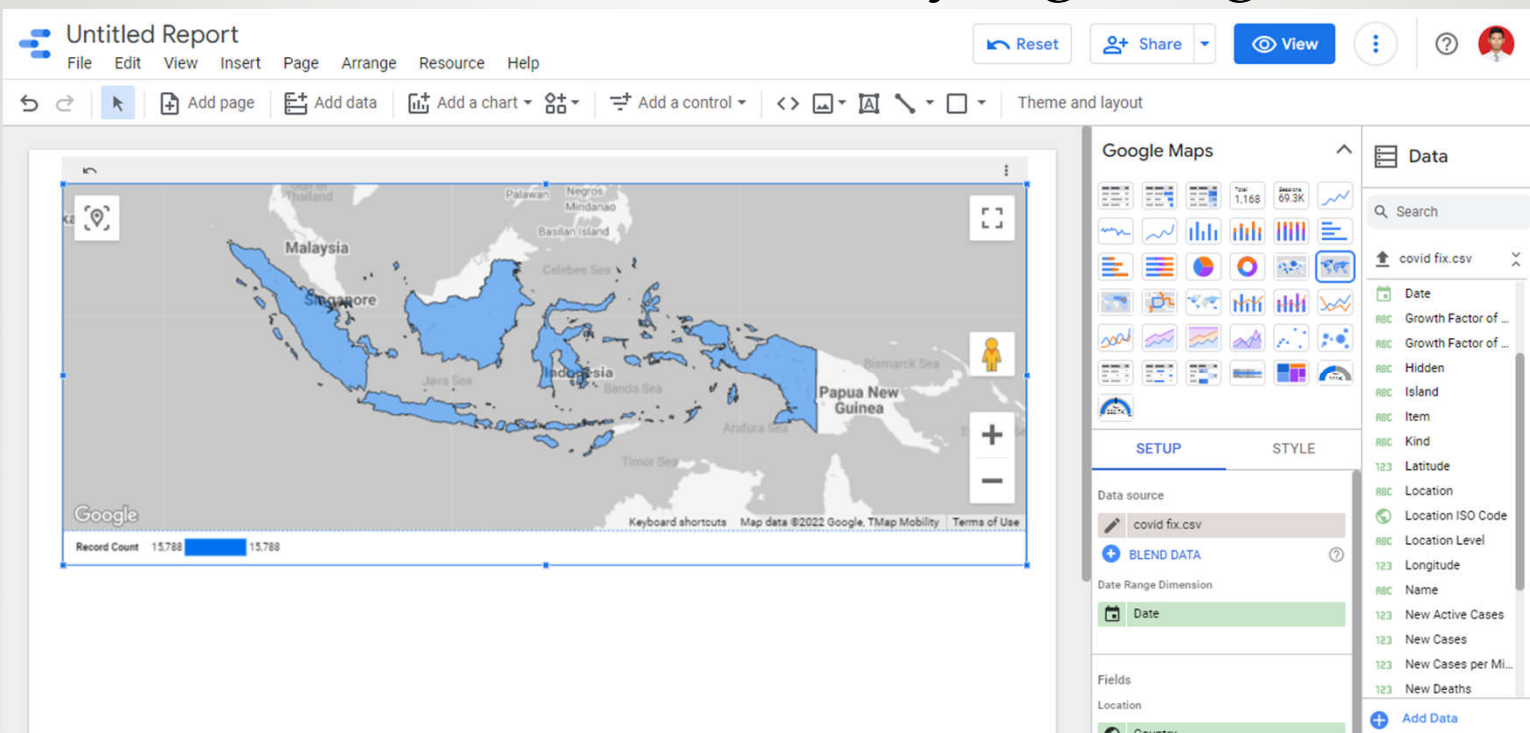
Buat filter baru dengan isian seperti dibawah ini, kemudian klik save

The screenshot shows the 'Untitled Report' application interface. At the top, there's a menu bar with 'File', 'Edit', 'View', 'Insert', 'Page', 'Arrange', 'Resource', and 'Help'. Below the menu is a toolbar with icons for 'Add page', 'Add data', 'Add a chart', 'Add a control', and 'Theme and layout'. The main workspace displays a table with COVID-19 data:

	Location	New Cases
1.	Indonesia	2,455,912
2.	DKI Jakarta	696,946
3.	Jawa Barat	440,279
4.	Jawa Tengah	265,948
5.	Jawa Timur	189,705
6.	Kalimantan Timur	83,762

Overlaid on the workspace is the 'Create Filter' dialog box. It has a 'Name' field containing 'covid fix.csv'. Below this, there's a filter clause: 'Exclude' (dropdown) 'ABC Location' (dropdown) 'Contains' (dropdown) 'Indonesia'. To the right of this clause is an 'OR' button. Below the clause is an 'AND' button. At the bottom of the dialog, it says 'This filter has 1 clause' and there is a 'SAVE' button.

Pilih Chart kemudian ubah menjadi filled map dan sesuaikan ukuran dan lokasi yang diinginkan



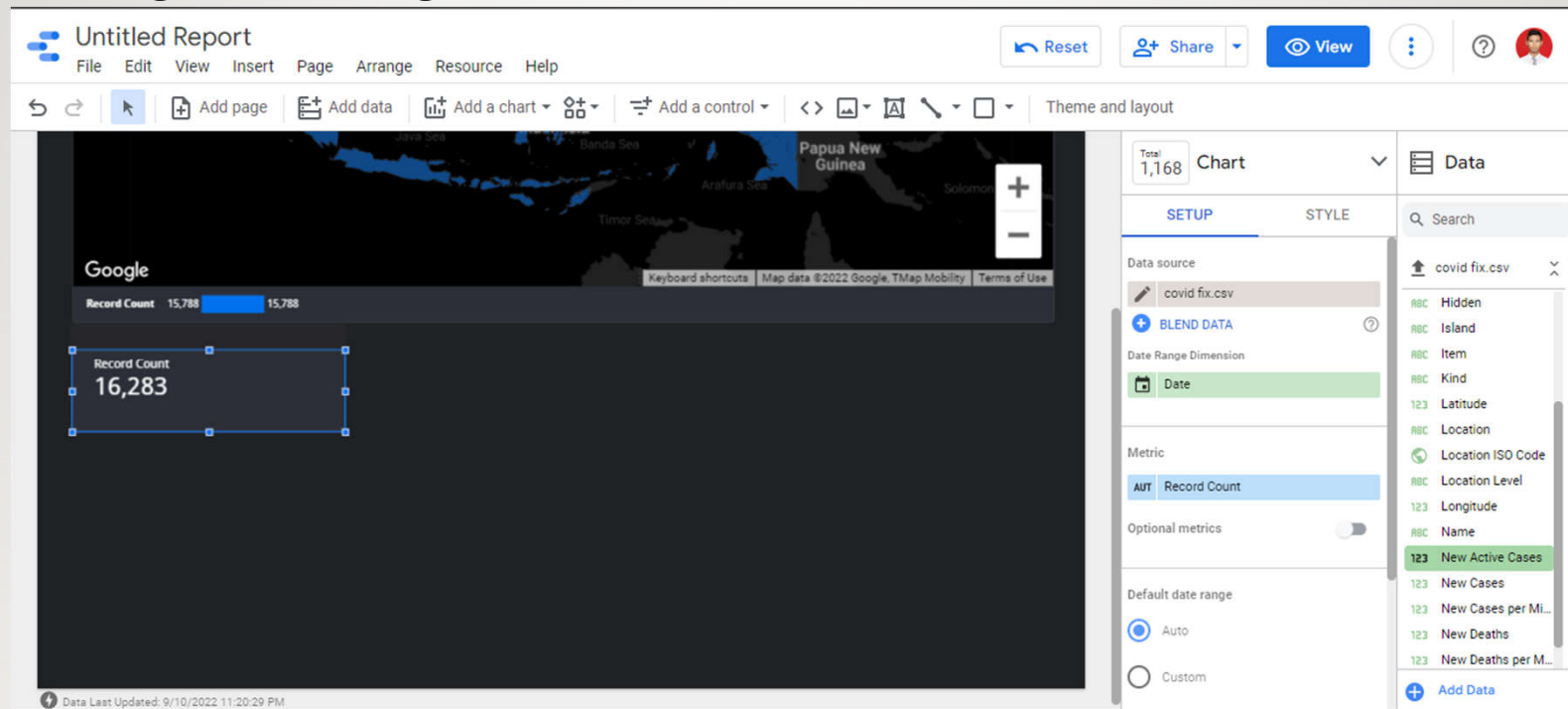
Kemudian pilih Theme and layout dan pilih warna hitam atau dark

The screenshot displays the Google Data Studio interface. The main canvas shows a map of Southeast Asia with labels for Malaysia, Singapore, Indonesia, and Papua New Guinea. The map is set to a dark theme. The sidebar on the right contains the 'Theme and layout' section, which is currently expanded. It shows a list of themes, including 'Constellation' and 'Groovy', each with a preview image. The 'Constellation' theme is selected. Below the theme list, there is a button labeled 'Extract theme from image'. The top of the interface shows the 'Untitled Report' title, a menu bar with options like File, Edit, View, Insert, Page, Arrange, Resource, and Help, and a toolbar with icons for adding pages, data, charts, and controls. The bottom of the map shows a 'Record Count' of 15,788.

Kemudian pilih add a chart pilih scorecard total

The screenshot displays the Google Data Studio interface for an 'Untitled Report'. The top navigation bar includes 'File', 'Edit', 'View', 'Insert', 'Page', 'Arrange', 'Resource', and 'Help'. The main toolbar contains 'Add page', 'Add data', 'Add a chart', 'Add a control', and 'Theme and layout'. The 'Add a chart' dropdown menu is open, showing options for Table, Scorecard, Time series, Bar, Pie, Google Maps, Geo chart, Line, and Area. The 'Scorecard' option is highlighted. The main canvas area is divided into three sections: a map of Southeast Asia on the left, a central area with a map of Papua New Guinea and a scorecard component, and a right-hand panel titled 'Data' containing a list of fields from a 'covid fix.csv' dataset. The scorecard component in the center shows 'Total' as 1,168 and 'Sessions' as 69.3K. The 'Data' panel on the right lists various fields including 'Area (km2)', 'Case Fatality Rate', 'Case Recovered R...', 'City or Regency', 'Continent', 'Country', 'Date', 'Growth Factor of ...', 'Hidden', 'Island', 'Item', 'Kind', 'Latitude', and 'Location'.

kemudian sesuaikan ukuran dan tempat sesuai dengan keinginan



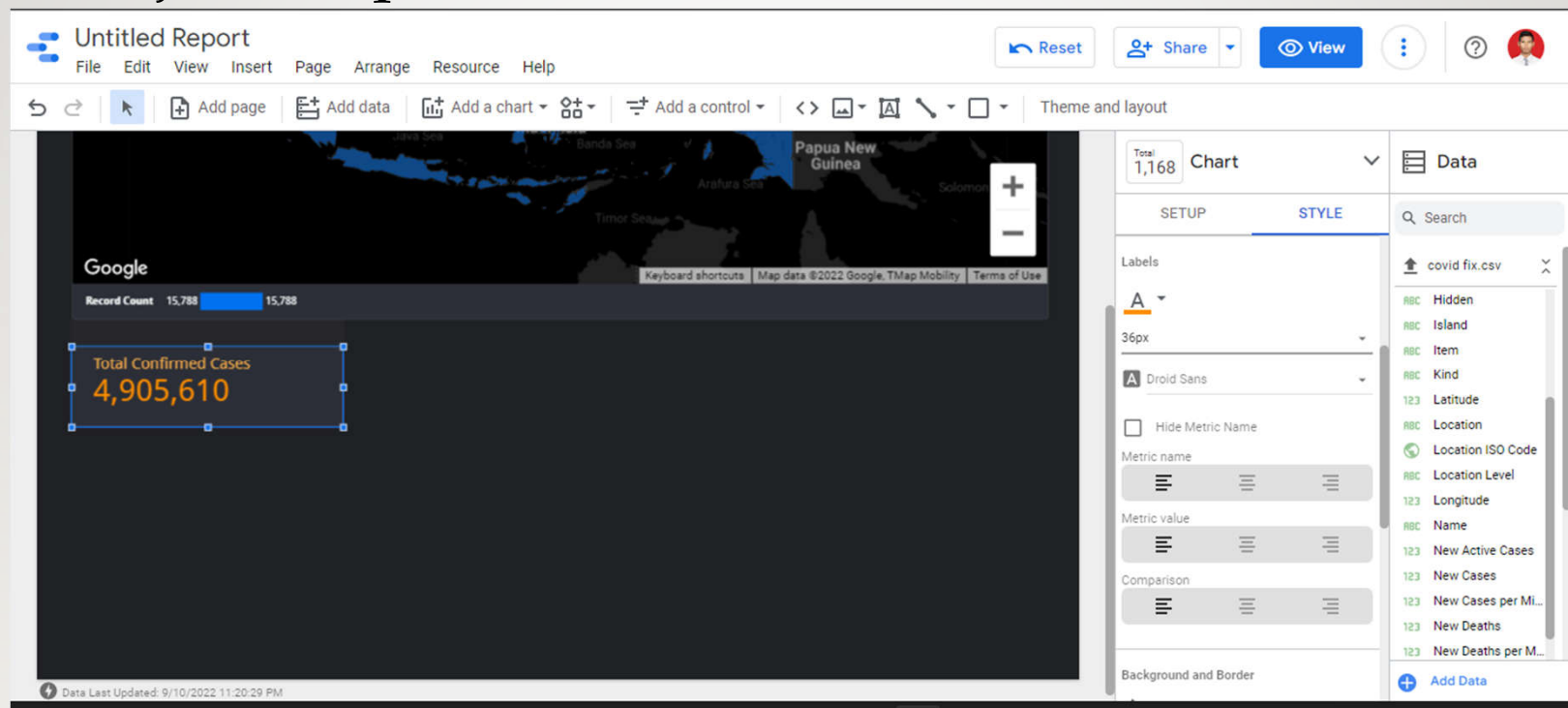
Kemudian drag new cases ke bagian metric dan ganti nama menjadi total confirmed cases

The screenshot displays the Tableau 'Untitled Report' interface. The main view features a map of Indonesia with a 'Record Count' of 15,788. Below the map, a metric card is titled 'Total Confirmed Cases' and shows a value of 4,905,610. A configuration menu is open over the metric card, showing the following settings:

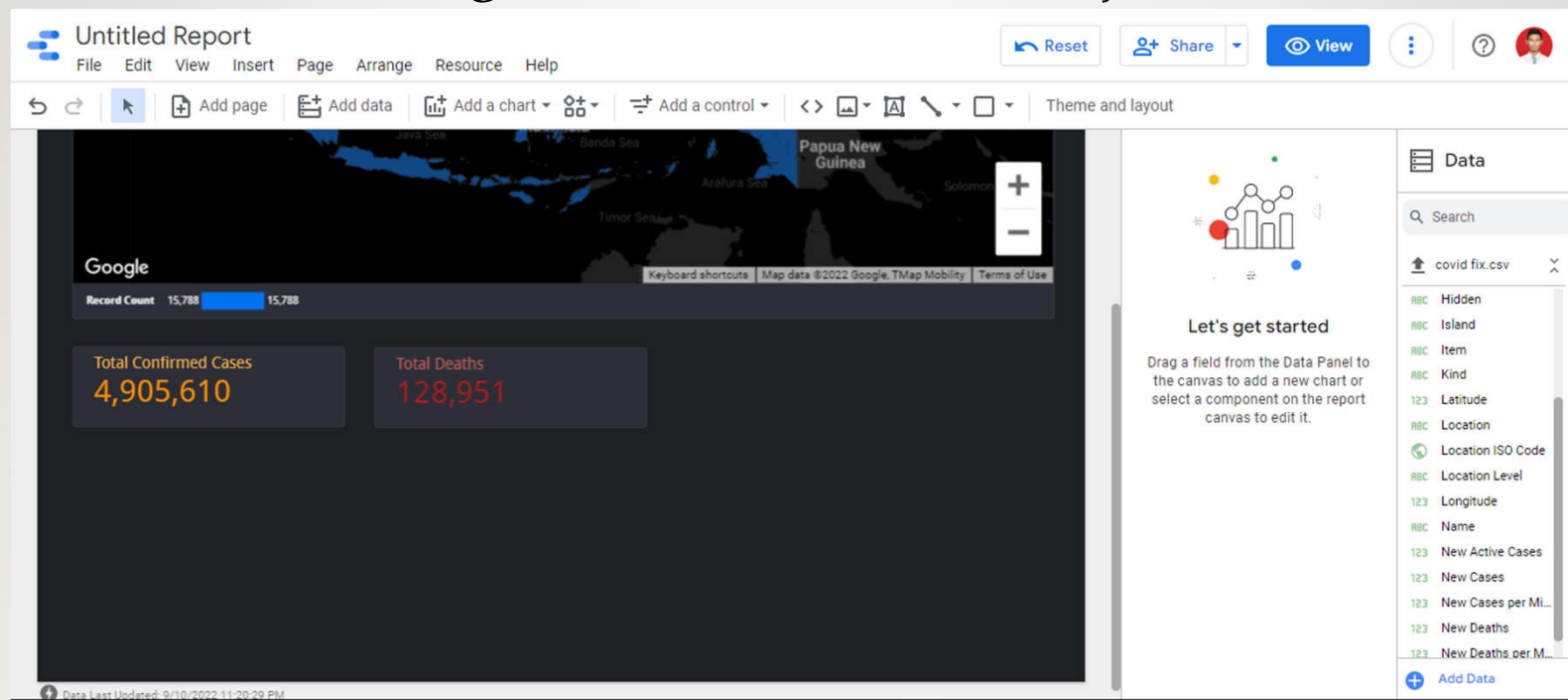
- Name:** Total Confirmed Cases
- Source field:** New Cases
- Aggregation:** Sum (selected)
- Type:** Number
- Comparison calculation:** None
- Running calculation:** None

The right-hand pane shows the 'Data' source as 'covid fix.csv' with a list of fields including Hidden, Island, Item, Kind, Latitude, Location, Location ISO Code, Location Level, Longitude, Name, New Active Cases, New Cases, New Cases per Mi..., New Deaths, and New Deaths per M... The bottom status bar indicates 'Data Last Updated: 9/10/2022 11:20:29 PM'.

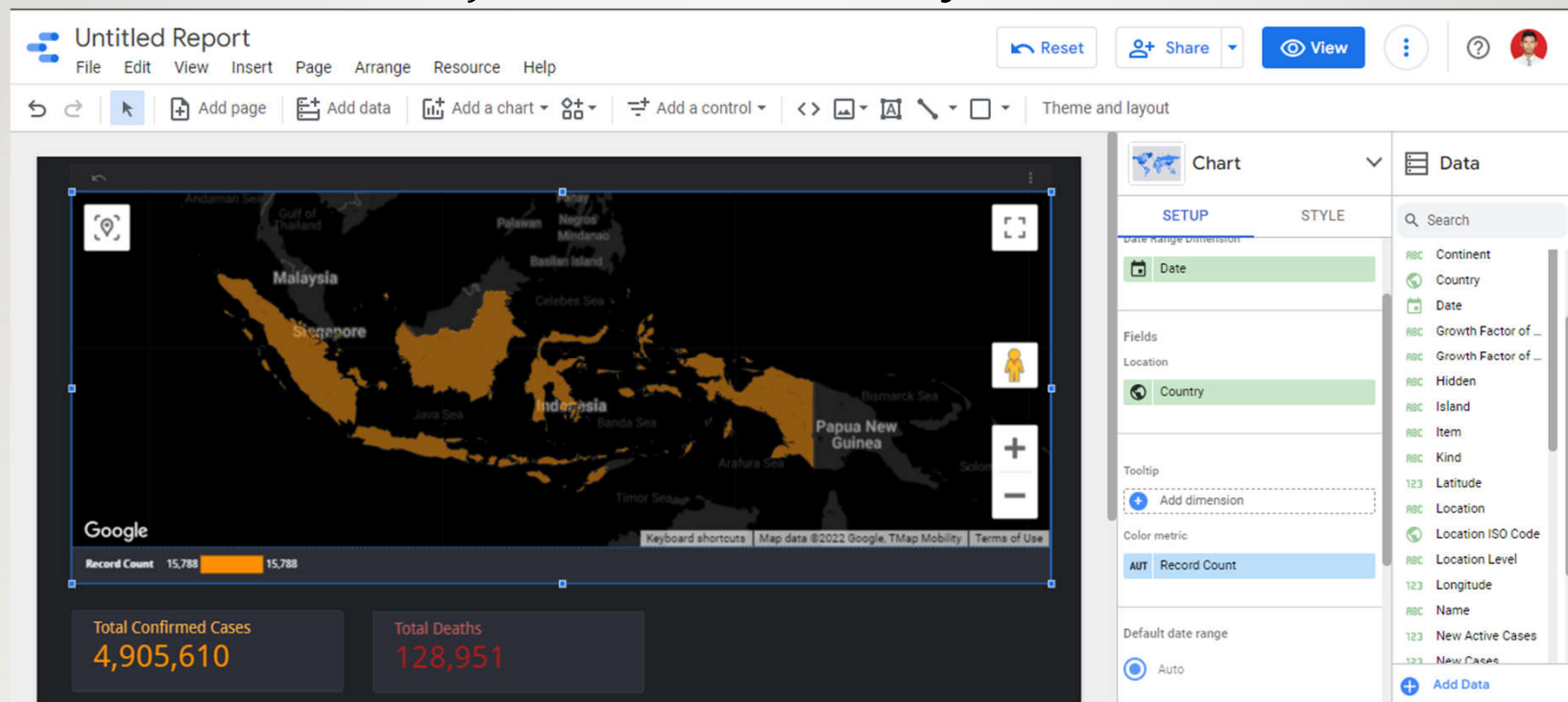
Pilih style dan ubah warna menjadi oranye dan font menjadi 36 px



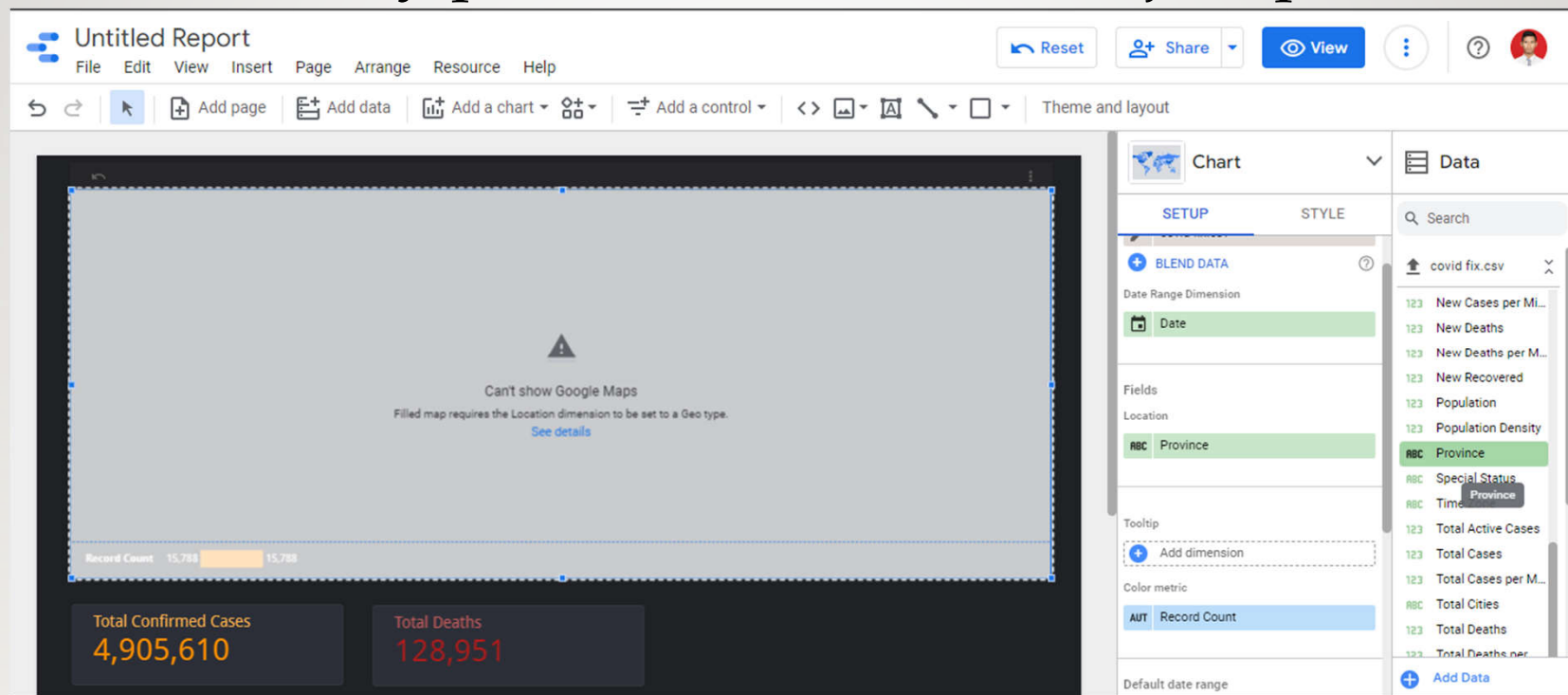
Copy paste scorecard total tadi dan lakukan hal yang sama, dengan men drag variable new death ke dalam metric dan mengubah warna font menjadi merah



Klik pada map, kemudian pilih tab style dan ubah max color menjadi warna oranye



Ubah country pada field location menjadi province



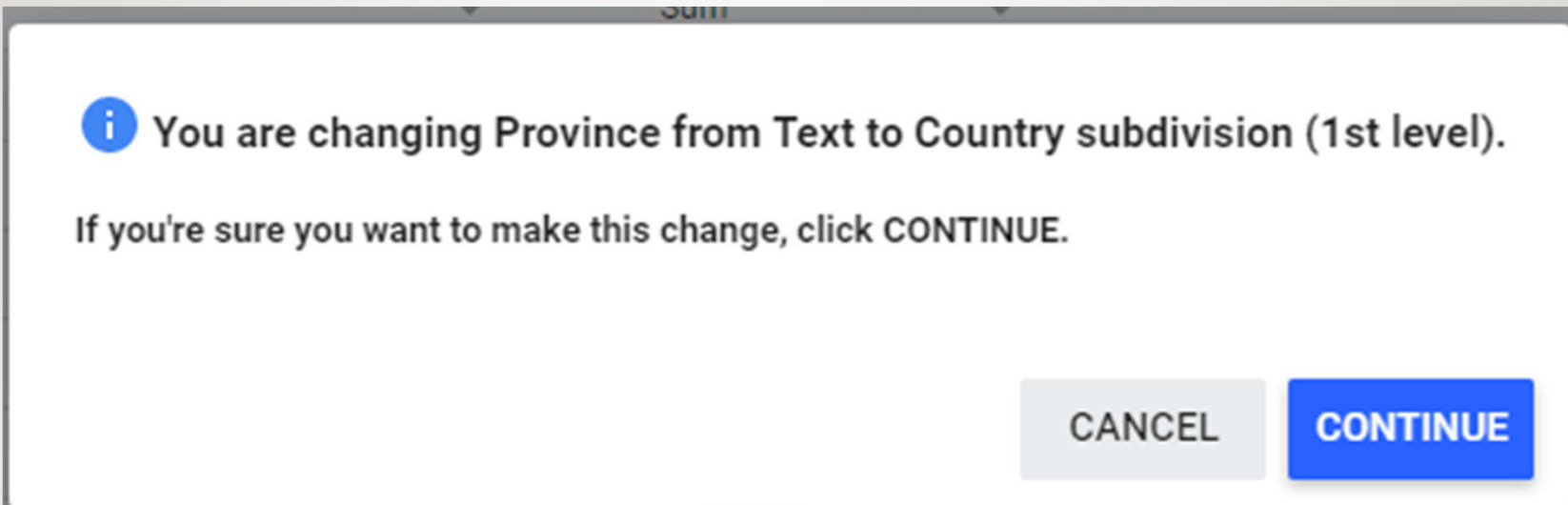
Jika terjadi eror, edit data source dengan mengubah province dari text menjadi geo, kemudian pilih country subvision (1st level)

The screenshot shows the Tableau 'EDIT CONNECTION' dialog for a CSV data source named 'covid fix.csv'. The data credentials are 'Muhamad Naufal Burhanuddin Balit' and the data freshness is '12 hours'. The 'Province' field is selected, and the 'Geo' type is chosen from the dropdown menu. The 'Country subdivision (1st level)' option is highlighted in the sub-menu.

Field	Type	Default Aggregation	Description
New Cases per Million	123 Number	Sum	
New Deaths	123 Number	Sum	
New Deaths per Million	123 Number	Sum	
New Recovered	123 Number	Sum	
Population	123 Number	Sum	
Population Density	123 Numeric	Sum	
Province	123 Text	Sum	
Special Status	123 Date & Time	Sum	
Time Zone	123 Boolean	Sum	
Total Active Cases	123 Geo	Sum	
Total Cases	123 Currency	Sum	
	123 URL	Sum	

42 / 42 Fields

Pilih continue

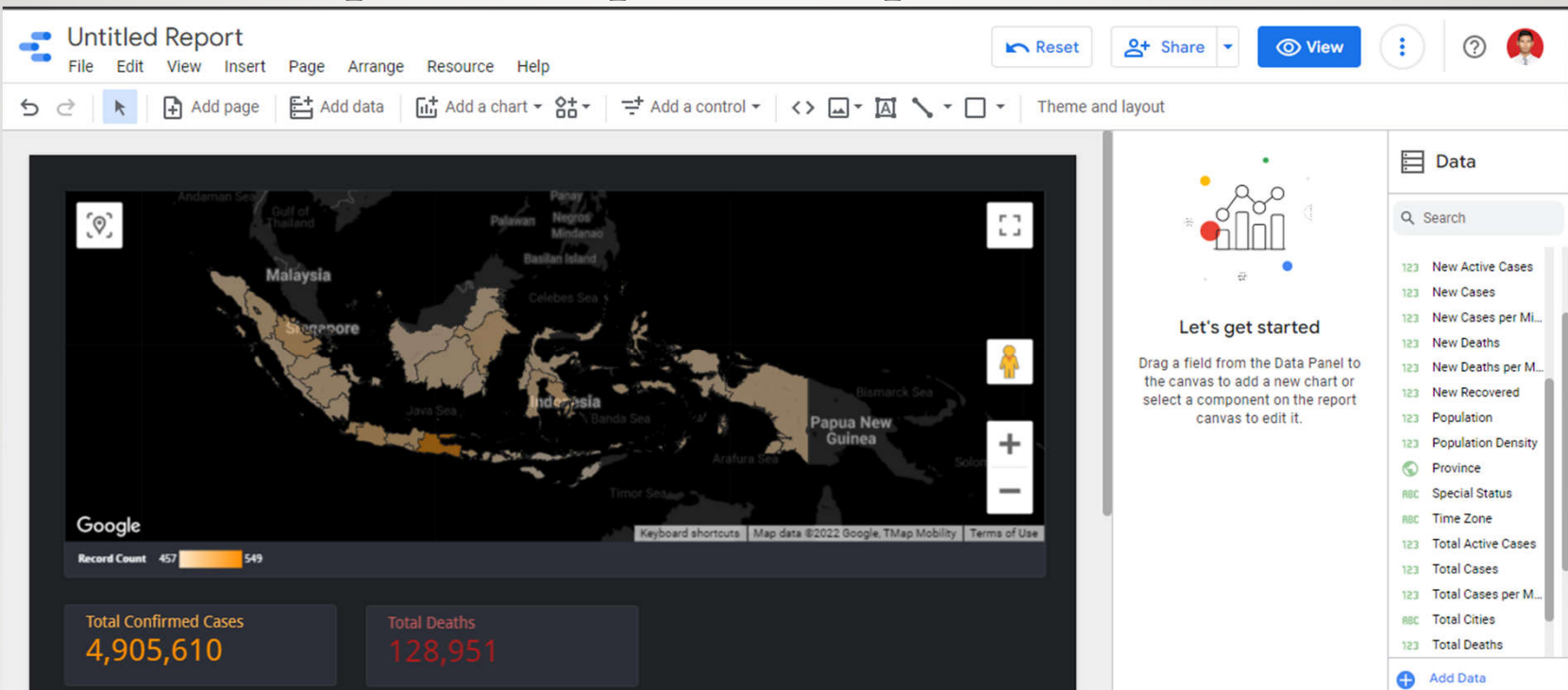


i You are changing Province from Text to Country subdivision (1st level).

If you're sure you want to make this change, click CONTINUE.

CANCEL CONTINUE

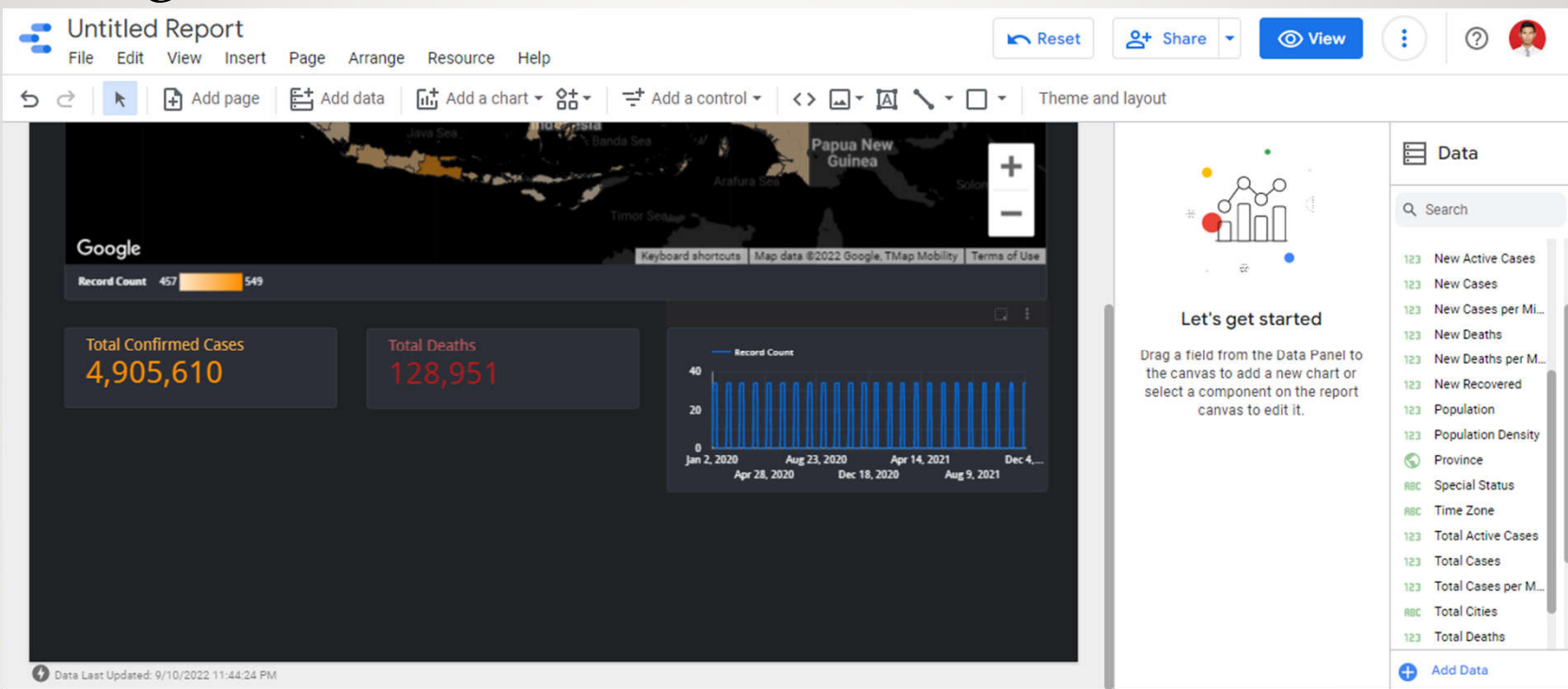
Maka, Tampilan Map akan seperti ini



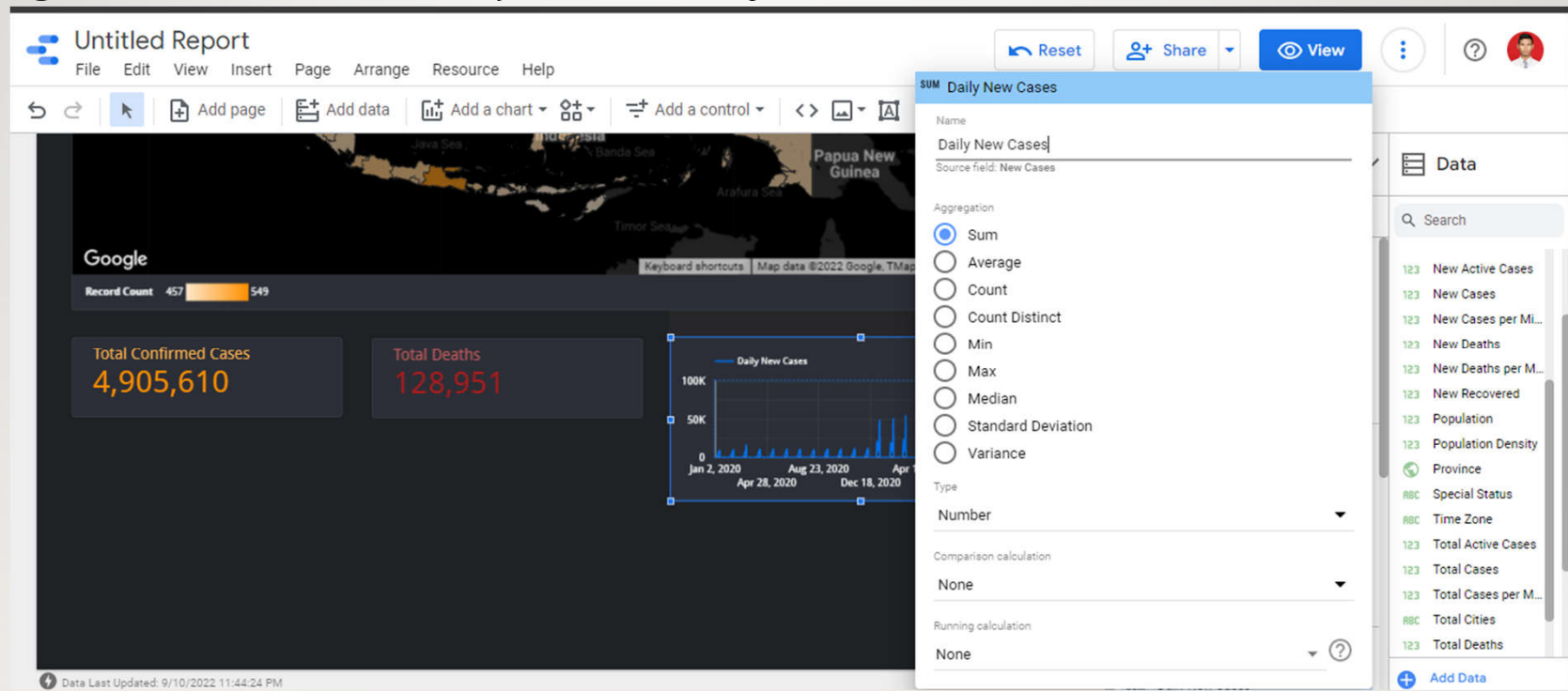
Klik pada add a chart kemudian pilih time series chart

The screenshot displays the Google Data Studio interface for an 'Untitled Report'. The top navigation bar includes 'File', 'Edit', 'View', 'Insert', 'Page', 'Arrange', 'Resource', and 'Help'. The main toolbar contains 'Add page', 'Add data', 'Add a chart', 'Add a control', and 'Theme and layout'. The 'Add a chart' dropdown menu is open, showing various chart types: Table, Scorecard, Time series (selected), Bar, Pie, Google Maps, Geo chart, Line, and Area. The background canvas shows a map of Southeast Asia with a 'Record Count' of 457 out of 549 and a 'Total Confirmed Cases' of 4,905,610. The right sidebar features a 'Data' panel with a search bar and a list of data fields including 'New Active Cases', 'New Cases', 'New Cases per M...', 'New Deaths', 'New Deaths per M...', 'New Recovered', 'Population', 'Population Density', 'Province', 'Special Status', 'Time Zone', 'Total Active Cases', 'Total Cases', 'Total Cases per M...', 'Total Cities', and 'Total Deaths'. A 'Let's get started' section on the right provides instructions on how to add and edit charts.

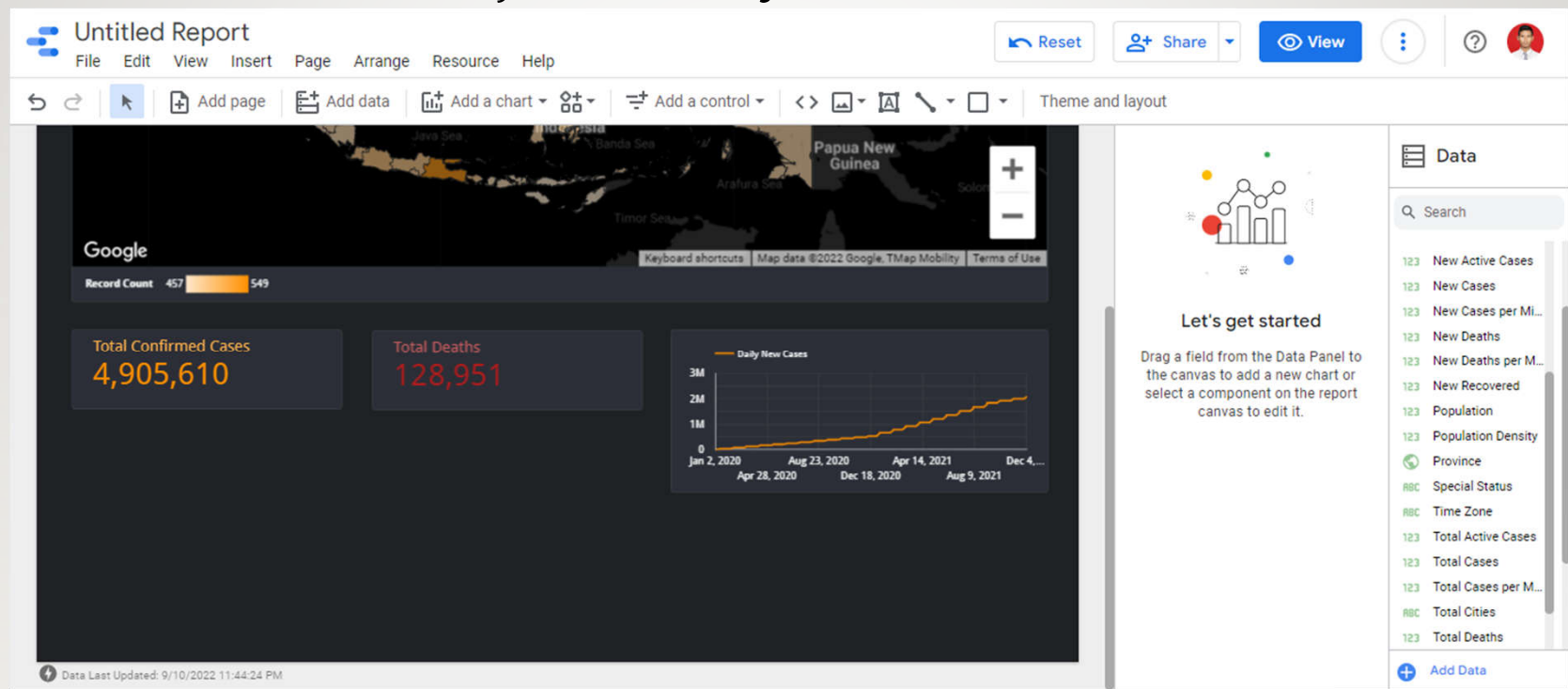
Sesuaikan ukuran dan posisi sesuai dengan keinginan



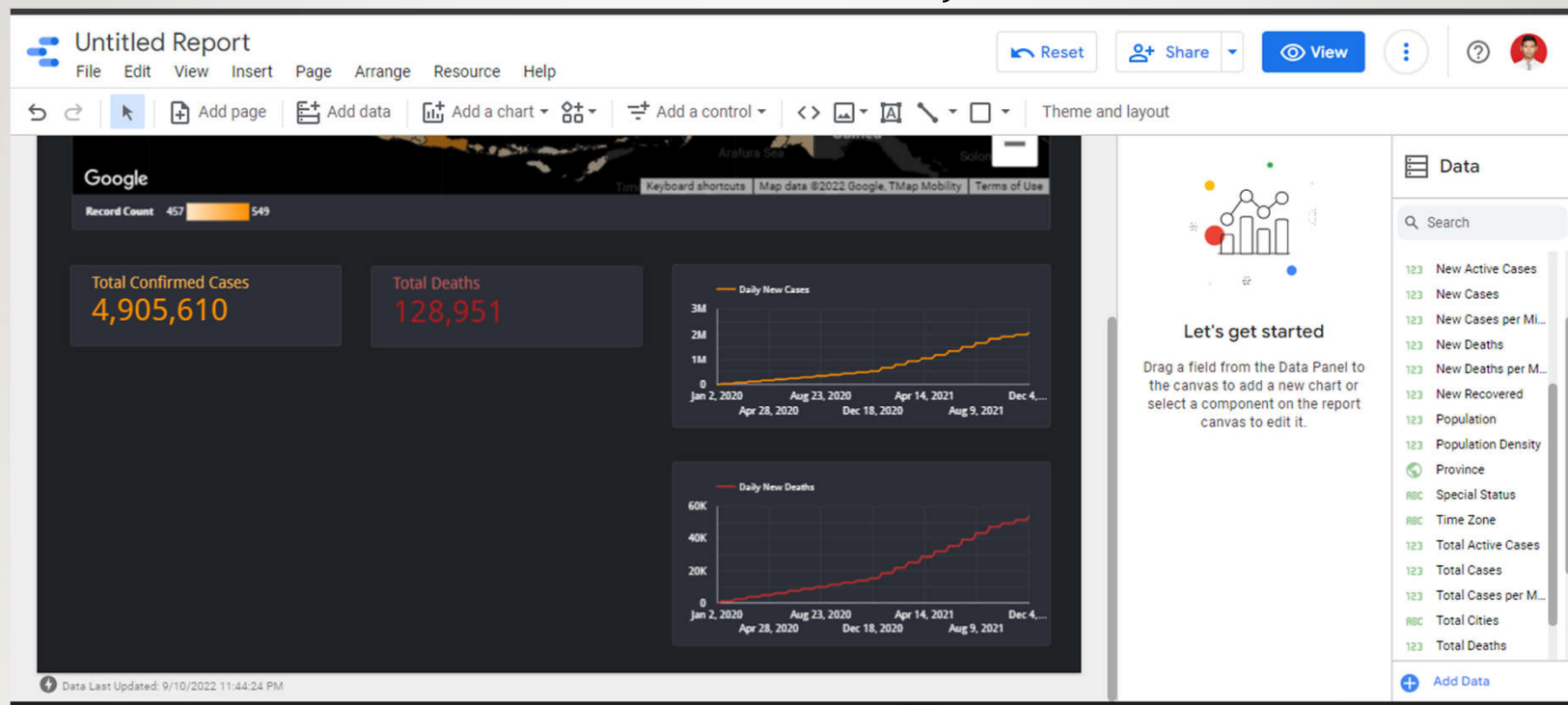
Drag data new cases dan drop ke dalam metric dan ganti nama menjadi Daily New Cases



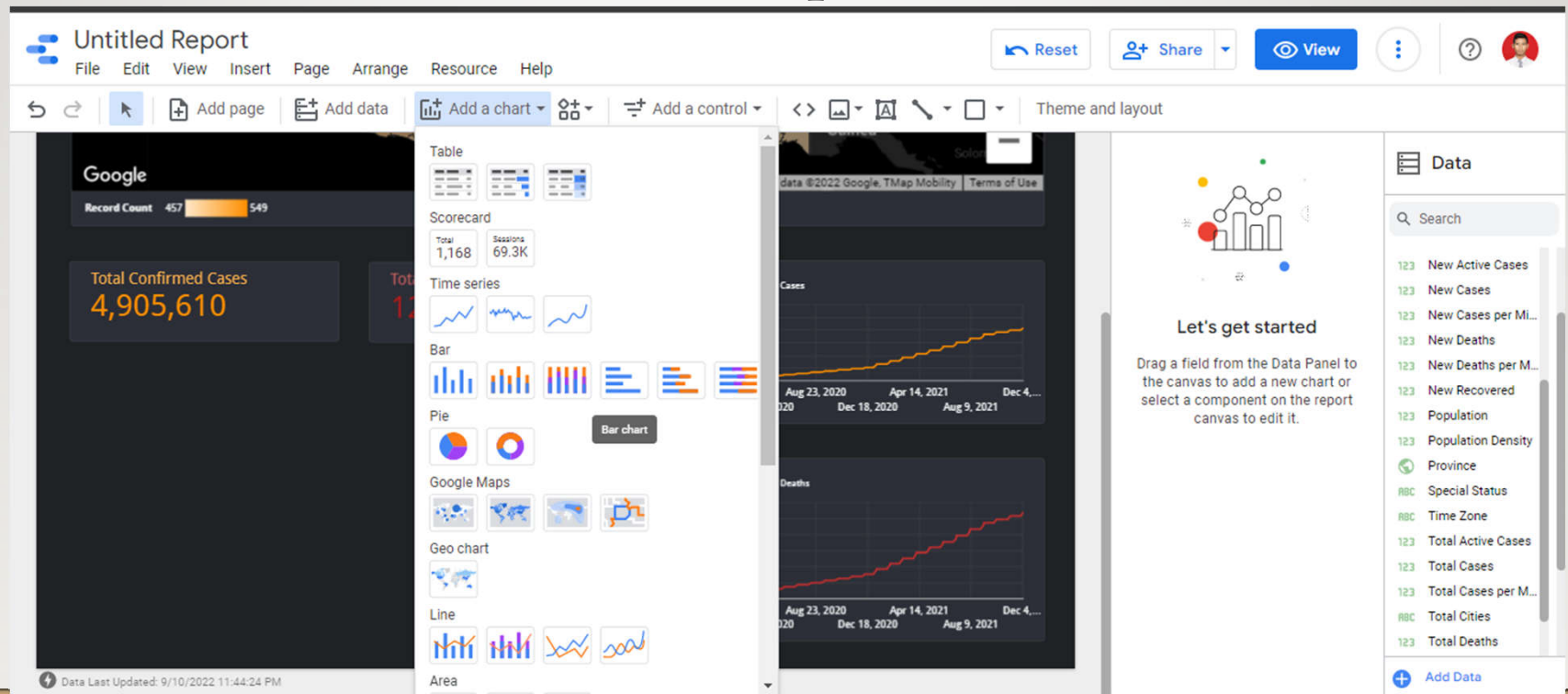
Pilih tab style, centang bagian cumulative, ubah series color menjadi oranye



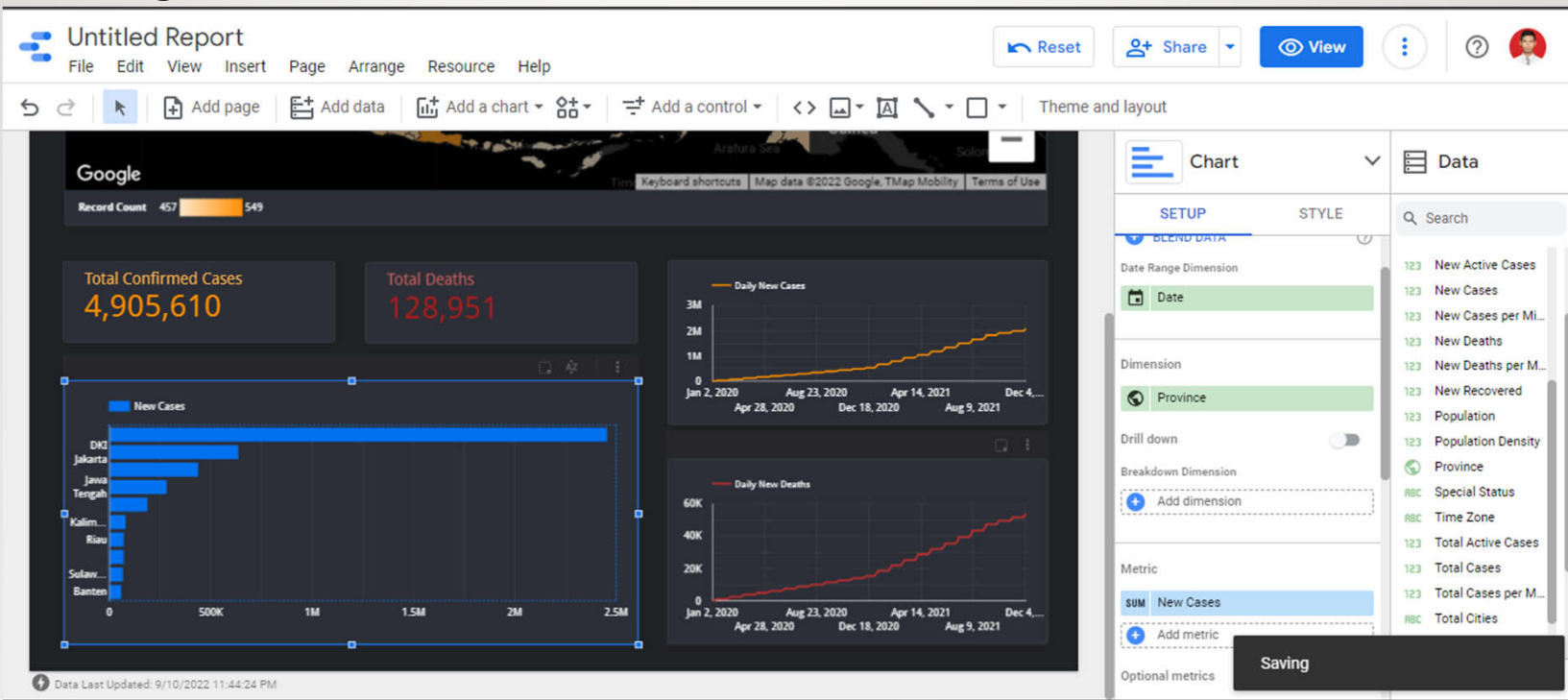
Copy paste time series chart tadi, kemudian drag new death dan drop ke dalam metric, ubah nama menjadi Daily New Deaths lalu ubah series color menjadi warna merah



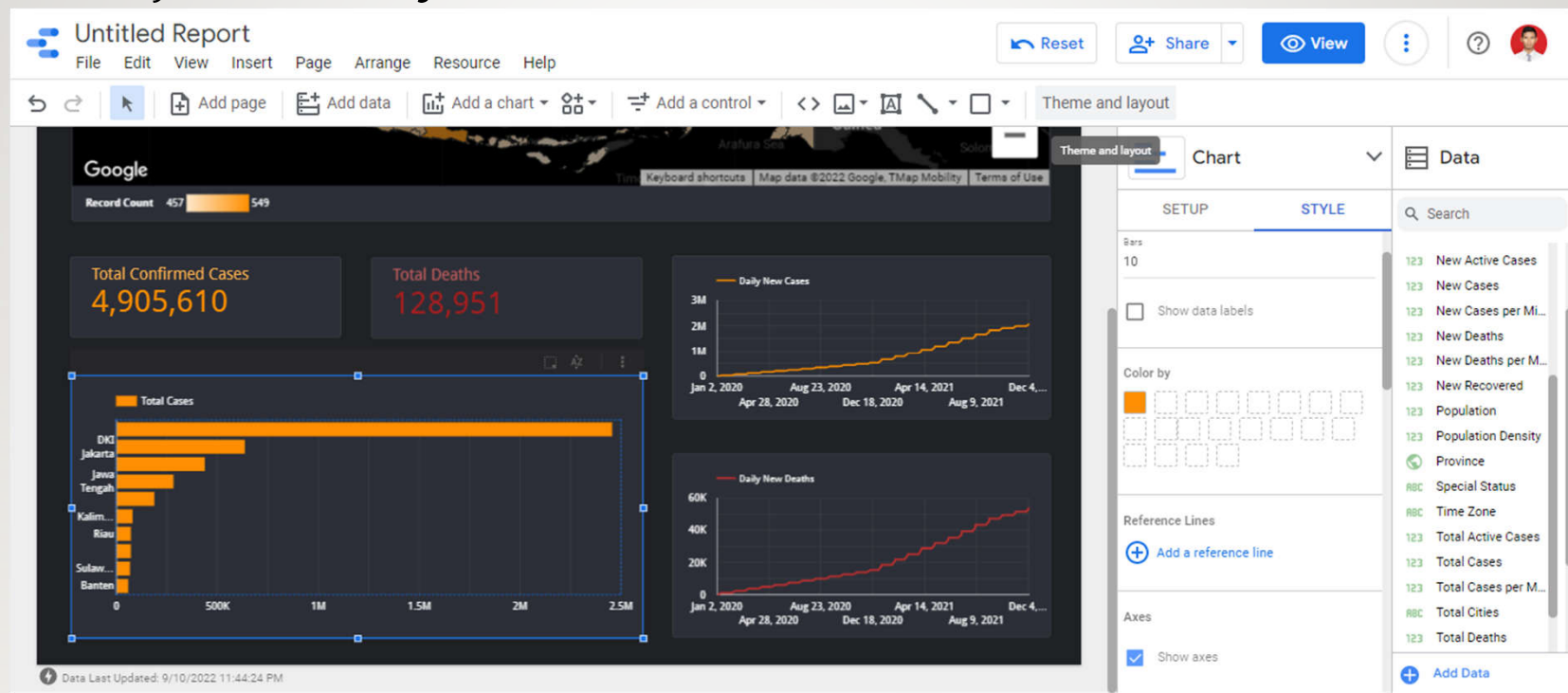
Klik add a chart kemudian pilih bar chart



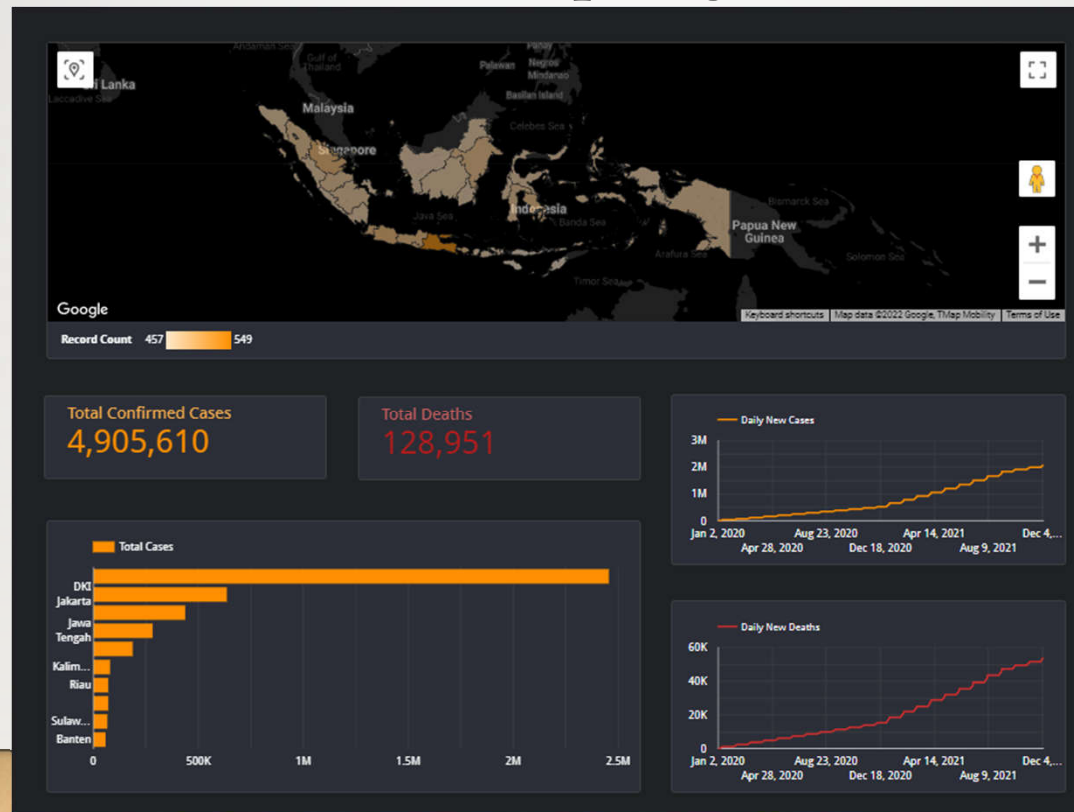
Sesuaikan ukuran dan posisi sesuai dengan keinginan



Rename menjadi Total Cases dan ubah color by menjadi oranye



Laporan selesai dan siap digunakan





Link Data Visualisasi

<https://datastudio.google.com/reporting/3fa12daf-9989-487c-93bc-aa54419224b7>



TERIMA KASIH