

Data Visualization using Google Data Studio

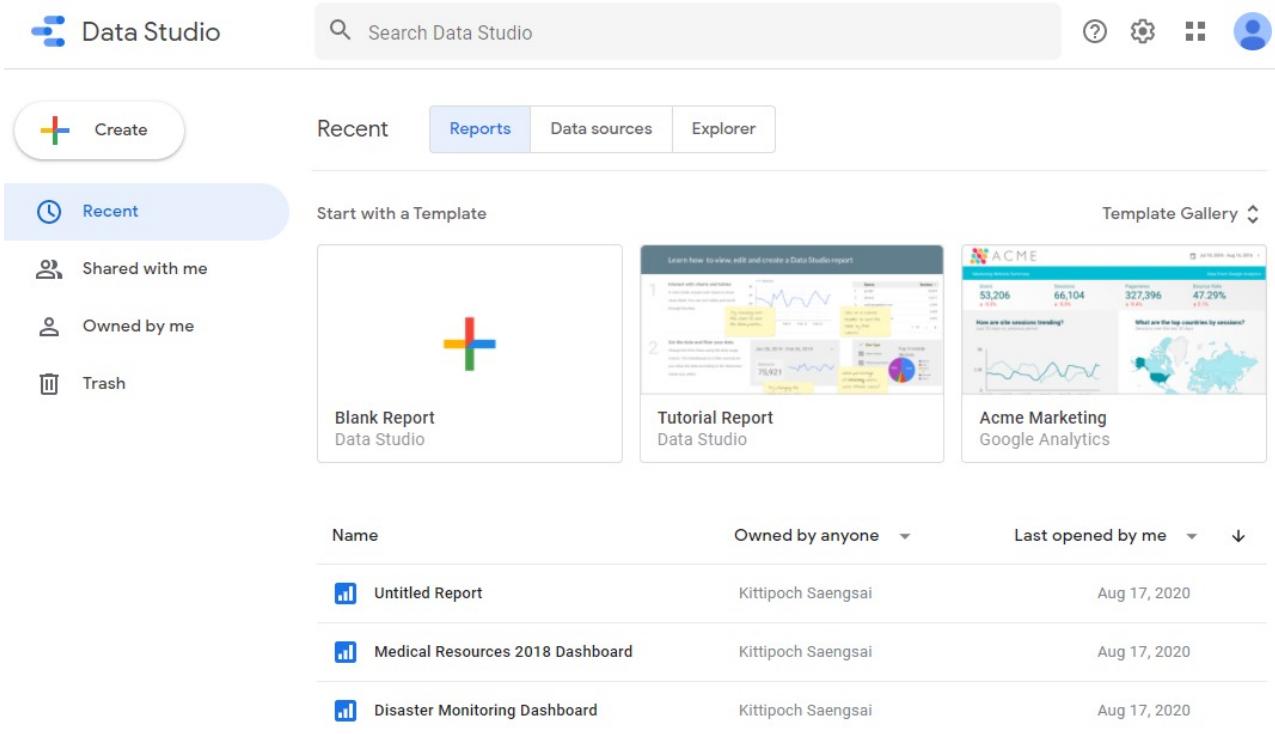
<https://github.com/kaopanboonyuen/GISTDA2023>

Topics

- Part 1: Introduction to Google Data Studio
- Part 2: Disaster Analysis Dashboard
- Part 3: Physician Analysis Dashboard

Part 1: Introduction to Google Data Studio

Part 1: Introduction to Google Data Studio



- Cloud-based Data visualization tools.
- Easy to use. Just like using traditional presentation tool to represent data.
- Free to use. Can embed the data individually up to 100Mb per report.
- Connect to external data with plenty of external data connections.

Start using Google Data Studio

1. Go to <https://datastudio.google.com/>
2. Select menu **Create > Report**
3. In **Add data to report** section, select **File Upload**.
4. Upload your .csv file. (Up to 100Mb)
5. When **Status** shows **Uploaded**, Select **Add**.

The screenshot shows the Google Data Studio interface. On the left, there's a navigation bar with 'Create' (highlighted), 'Report', 'Data source', and 'Explorer BETA'. Below that is a 'Trash' icon. In the center, a 'File Upload' dialog box is open, showing an upward arrow icon, the text 'File Upload By Google Connect to CSV (comma-separated values) files.', and a three-dot menu icon. To the right of the dialog is a table with the following data:

File name	Uploaded at	Size	Status
text_filtered.csv	8/17/20 8:05 AM	3 MB	● Uploaded

Below the table is a 'DELETE DATA SET' button. At the bottom right are 'Cancel' and 'Add' buttons.

Basic steps to use Google Data Studio

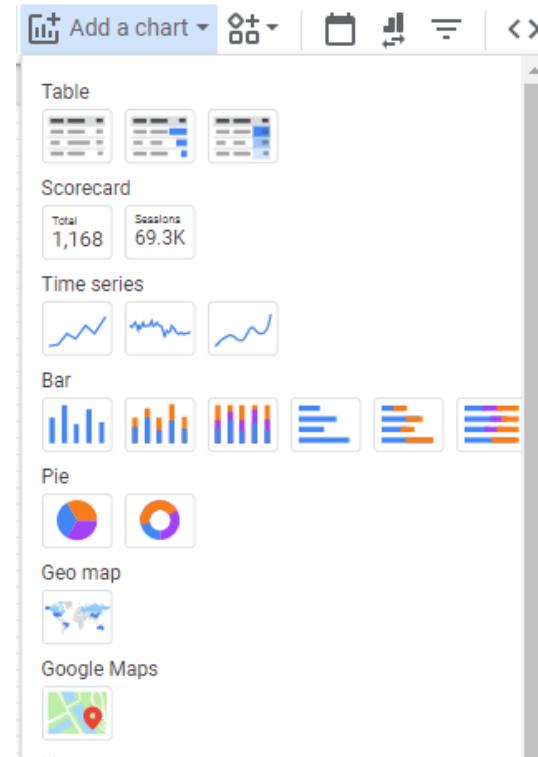
1. Edit table schema.

- ▶ Select Resource > Manage added data sources.

← EDIT CONNECTION | FILTER BY EMAIL

Index	Field	Type
1	clean_text	RBC Text
2	country	Country
3	country_code	Country Code
4	created_at	Date (YYYYMMDD)
5	date	Date (YYYYMMDD)
6	disaster_type	RBC Text
7	favorite_count	123 Number
8	followers_count	123 Number
9	friends_count	123 Number
10	text	Total

2. Add a Chart.



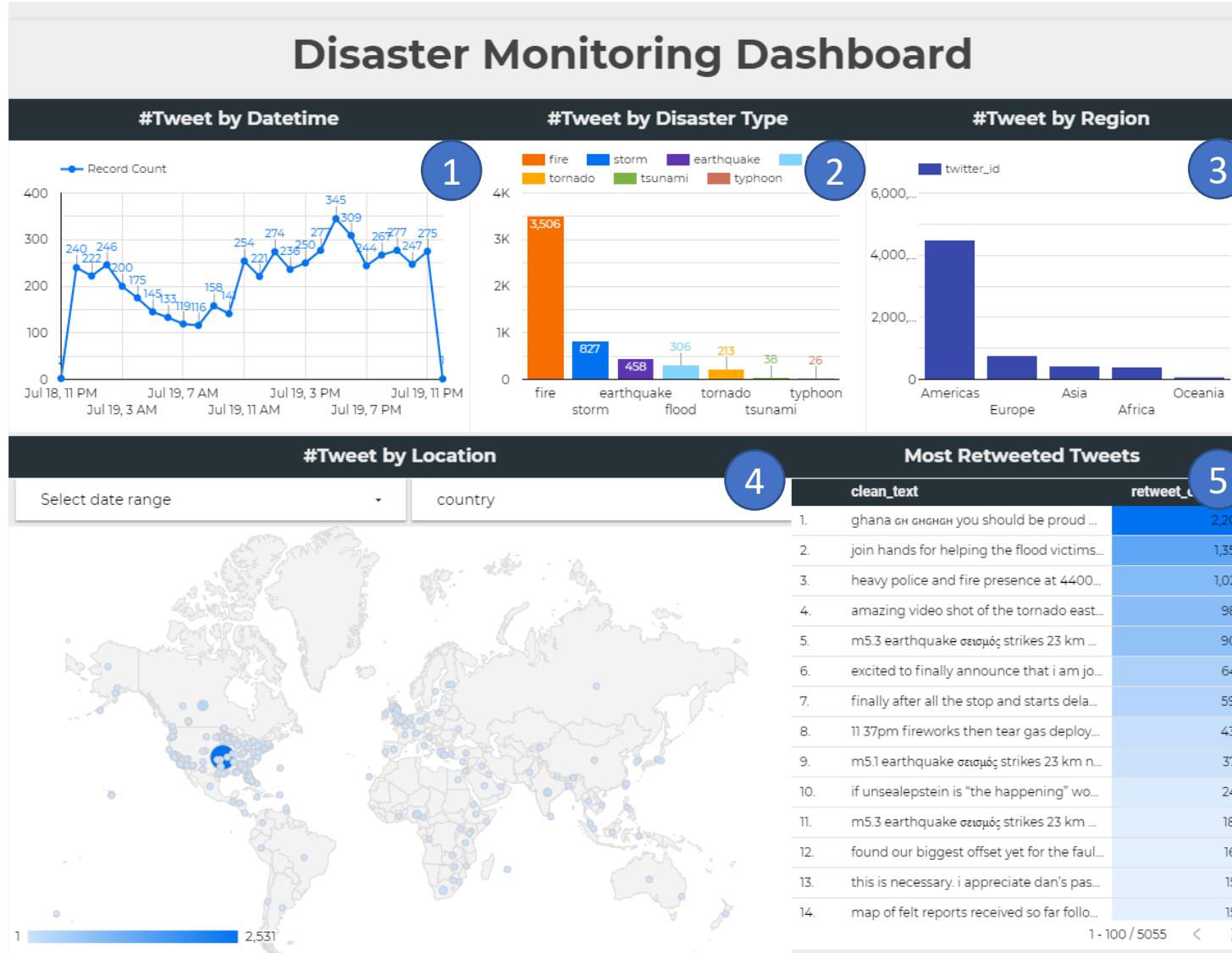
3. Customizes Chart Data and Style.

DATA **STYLE**

Data source	Available Fields
text_filtered.csv	<input type="text"/> Type to search
BLEND DATA	
created_at	clean_text country country_code date disaster_type lang place_full_name place_name place_type profile_image region screen_name text twitter_id user_name
created_at	
Add dimension	
Record Count	
Add metric	

Part 2: Disaster Analysis Dashboard

Part 2: Disaster Analysis Dashboard



Preview

<https://datastudio.google.com/reporting/73d2c54f-c5e0-4451-98e9-3b408332f703>

Part 2: Disaster Analysis Dashboard

Tweet Details						
Select date range		text	Contains	Enter a value	country	disaster_type
created_at	text				disaster_type	country
1. Jul 19, 2019, 6 AM	Ghana GH GHGH, you should be proud of @shattawalegh! The @Beyonce Shatta song is fire 🎤🔥🔥 #Shatta...				fire	Ghana
2. Jul 19, 2019, 8 AM	Ghana GH GHGH, you should be proud of @shattawalegh! The @Beyonce Shatta song is fire 🎤🔥🔥 #Shatta...				fire	Ghana
3. Jul 19, 2019, 8 PM	Heavy police and fire presence at 4400 Holden in West Philadelphia. Reports of flames and heavy smoke, at ...				fire	United States
4. Jul 19, 2019, 5 AM	Join Hands for helping the #flood victims of #Assam and other affected states, My SandArt at Puri beach in ...				flood	India
5. Jul 19, 2019, 7 AM	Join Hands for helping the #flood victims of #Assam and other affected states, My SandArt at Puri beach in ...				flood	India
6. Jul 19, 2019, 5 PM	Excited to finally announce that I am joining the #FireEmblem family! I voice Byleth in the upcoming #FireE...				fire	United States
7. Jul 19, 2019, 11 AM	M5.3 #earthquake (#σεισμός) strikes 23 km NW of #Athens (#Greece) 3 min ago. Effects reported by eyewitne...				earthquake	Hellas
8. Jul 19, 2019, 11 AM	Finally, after all the stop and starts, delays, UNFORESEEN EXPENSES, mental stress, FIRE, and what not. I hav...				fire	Nigeria
9. Jul 19, 2019, 5 AM	11:37pm Fireworks then tear gas deployed #puertorico #PuertoRicoMarcha #RickyVeteYa https://t.co/wKPqss...				fire	United States
10. Jul 19, 2019, 11 AM	M5.1 #earthquake (#σεισμός) strikes 23 km NW of #Athens (#Greece) 12 min ago. Updated map of its effects: h...				earthquake	Hellas
11. Jul 19, 2019, 2 AM	Heavy police and fire presence at 4400 Holden in West Philadelphia. Reports of flames and heavy smoke, at ...				fire	United States
12. Jul 19, 2019, 5 PM	Amazing video shot of the tornado east of Carmangay on Thursday, courtesy Sara Banman! #abstorm https://...				storm	Canada
13. Jul 19, 2019, 5 PM	Amazing video shot of the tornado east of Carmangay on Thursday, courtesy Sara Banman! #abstorm https://...				tornado	Canada
14. Jul 19, 2019, 7 PM	Amazing video shot of the tornado east of Carmangay on Thursday, courtesy Sara Banman! #abstorm https://...				storm	Canada
15. Jul 19, 2019, 7 PM	Amazing video shot of the tornado east of Carmangay on Thursday, courtesy Sara Banman! #abstorm https://...				tornado	Canada
16. Jul 19, 2019, 6 PM	If #UnsealEpstein is "the happening", wouldn't that be a logical moment for "the tweet" by @realDonaldTrump...				storm	United Kingdom
17. Jul 19, 2019, 11 AM	M5.3 #earthquake (#σεισμός) strikes 23 km NW of #Athens (#Greece) 3 min ago. Read eyewitnesses' stories &a...				earthquake	Hellas
18. Jul 19, 2019, 12 AM	Found our BIGGEST offset yet for the fault that caused the M7.1 earthquake. This channel is offset about 13 fe...				earthquake	United States
19. Jul 19, 2019, 12 AM	This is necessary. I appreciate Dan's passion. We should all burn with this fire. I'm a man of color before anyt...				fire	United States
20. Jul 19, 2019, 12 PM	M5.3 #earthquake (#σεισμός) strikes 23 km NW of #Athens (#Greece) 3 min ago. Effects reported by eyewitne...				earthquake	Hellas
21. Jul 19, 2019, 4 PM	M5.3 #earthquake (#σεισμός) strikes 23 km NW of #Athens (#Greece) 3 min ago. Effects reported by eyewitne...				earthquake	Hellas
22. Jul 19, 2019, 5 AM	Third day in a row that a customer has open carried a sidearm in my store. It is completely legal, but still scar...				fire	United States
23. Jul 19, 2019, 12 AM	So the Air Force is warning us not to storm #AREA51. Guess I'm going to have to wear my Chuck Norris short...				storm	United States
24. Jul 19, 2019, 1 PM	Flames still high: The fire at @MGEMadison has caused power outages and road closures across downtown ...				fire	United States
25. Jul 19, 2019, 9 AM	Thursday Lightning Strike at 929am in Chicago #storm #news #weather #ilwx #chicago https://t.co/5sEUbaL...				storm	United States
1 - 100 / 5301 < >						

Preview

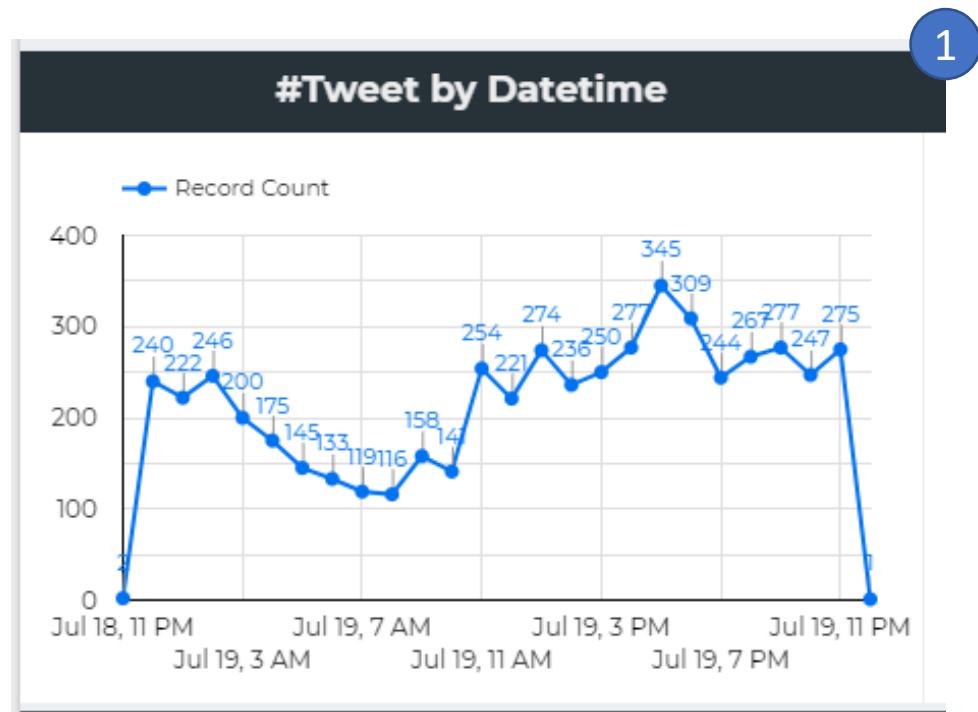
<https://datastudio.google.com/reporting/73d2c54f-c5e0-4451-98e9-3b408332f703>

Materials

- File : disaster_text.csv
- Schema :

Index	Field	Type	Default Aggregation				
1	clean_text	RBC Text	None	13	longitude	123 Number	Sum
2	country	Country	None	14	place_full_name	RBC Text	None
3	country_code	Country Code	None	15	place_name	RBC Text	None
4	created_at	Date Hour (YYYYMMDDhh)	None	16	place_type	RBC Text	None
5	date	Date (YYYYMMDD)	None	17	profile_image	URL	None
6	disaster_type	RBC Text	None	18	region	RBC Text	None
7	favorite_count	123 Number	Sum	19	retweet_count	123 Number	Sum
8	followers_count	123 Number	Sum	20	screen_name	RBC Text	None
9	friends_count	123 Number	Sum	21	text	RBC Text	None
10	lang	RBC Text	None	22	twitter_id	123 Number	None
11	latitude	123 Number	Sum	23	user_id	123 Number	Sum
12	lat_lon	Latitude, Longitude	None	24	user_name	RBC Text	None
				25	Record Count	123 Number	Auto

Charts in dashboard



DATA **STYLE**

Data source: text_filtered.csv

Available Fields:

- RBC clean_text
- country
- country_code
- created_at
- date
- RBC disaster_type
- RBC lang
- lat_lon
- place_full_name
- place_name
- place_type
- profile_image
- region
- screen_name
- text
- user_name
- favorite_count
- followers_count
- friends_count
- latitude
- longitude
- retweet_count
- twitter_id
- user_id
- Record Count

Series #1:

- Line
- Bars

2

Cumulative:

Show Points:

Show data labels:

Trendline: None

Reference Lines: Add a reference line

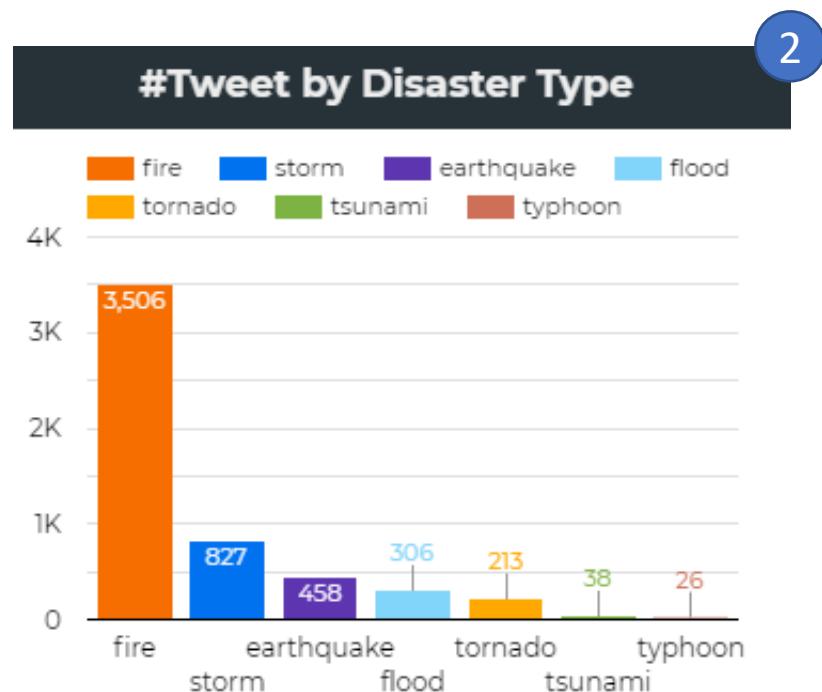
General:

- Missing Data: Line To Zero
- Smooth:

Axes:

- Show axes:
- Reverse Y-axis direction:
- Reverse X-axis direction:

Charts in dashboard



DATA **STYLE**

Data source: text_filtered.csv

Date Range Dimension: date

Dimension: disaster_type

Drill down:

Breakdown Dimension: disaster_type

Metric: Record Count

Optional metrics:

Metric sliders:

Sort: Record Count

Secondary sort: Record Count

Default date range: Auto

Available Fields:

- clean_text
- country
- country_code
- created_at
- date
- disaster_type
- lang
- lat_lon
- place_full_name
- place_name
- place_type
- profile_image
- region
- screen_name
- text
- user_name
- favorite_count
- followers_count
- friends_count
- latitude
- longitude
- retweet_count
- twitter_id
- user_id
- Record Count

Color by: Dimension values

Manage dimension value colors

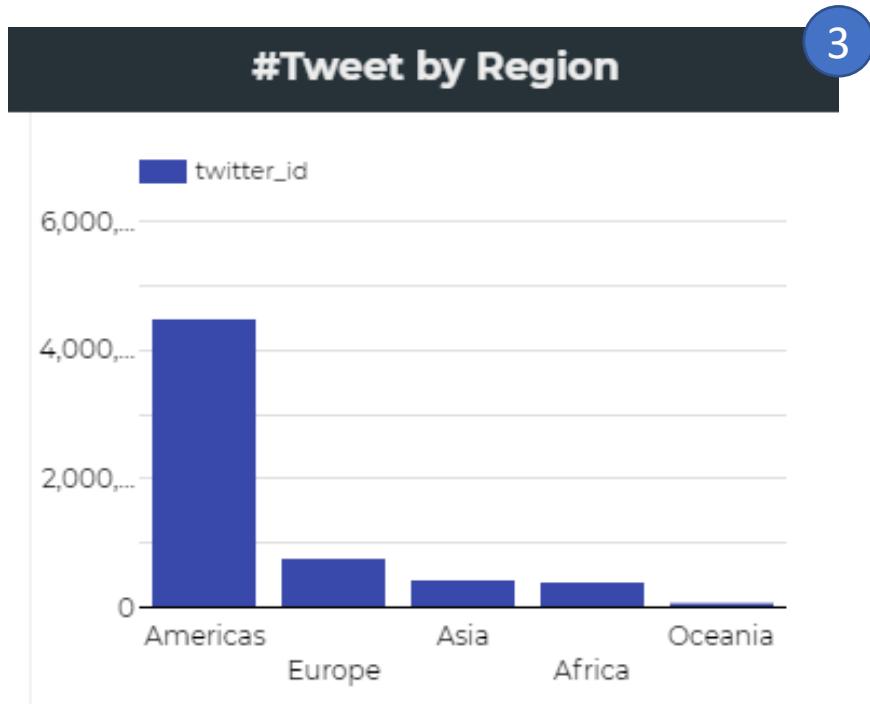
Reference Lines: Add a reference line

Axes: Show axes

Reverse Y-axis direction

Reverse X-axis direction

Charts in dashboard



DATA **STYLE**

Data source: text_filtered.csv

Date Range Dimension: date

Dimension: region

Drill down:

Breakdown Dimension:

Metric: SUM twitter_id

Optional metrics:

Metric sliders:

Sort: SUM twitter_id

Default date range: Auto

Available Fields:

- clean_text
- country
- country_code
- created_at
- date
- disaster_type
- lang
- lat_lon
- place_full_name
- place_name
- place_type
- profile_image
- region
- screen_name
- text
- user_name
- favorite_count
- followers_count
- friends_count
- latitude
- longitude
- retweet_count
- twitter_id
- user_id
- Record Count

DATA **STYLE**

Bar chart

Bars: 10

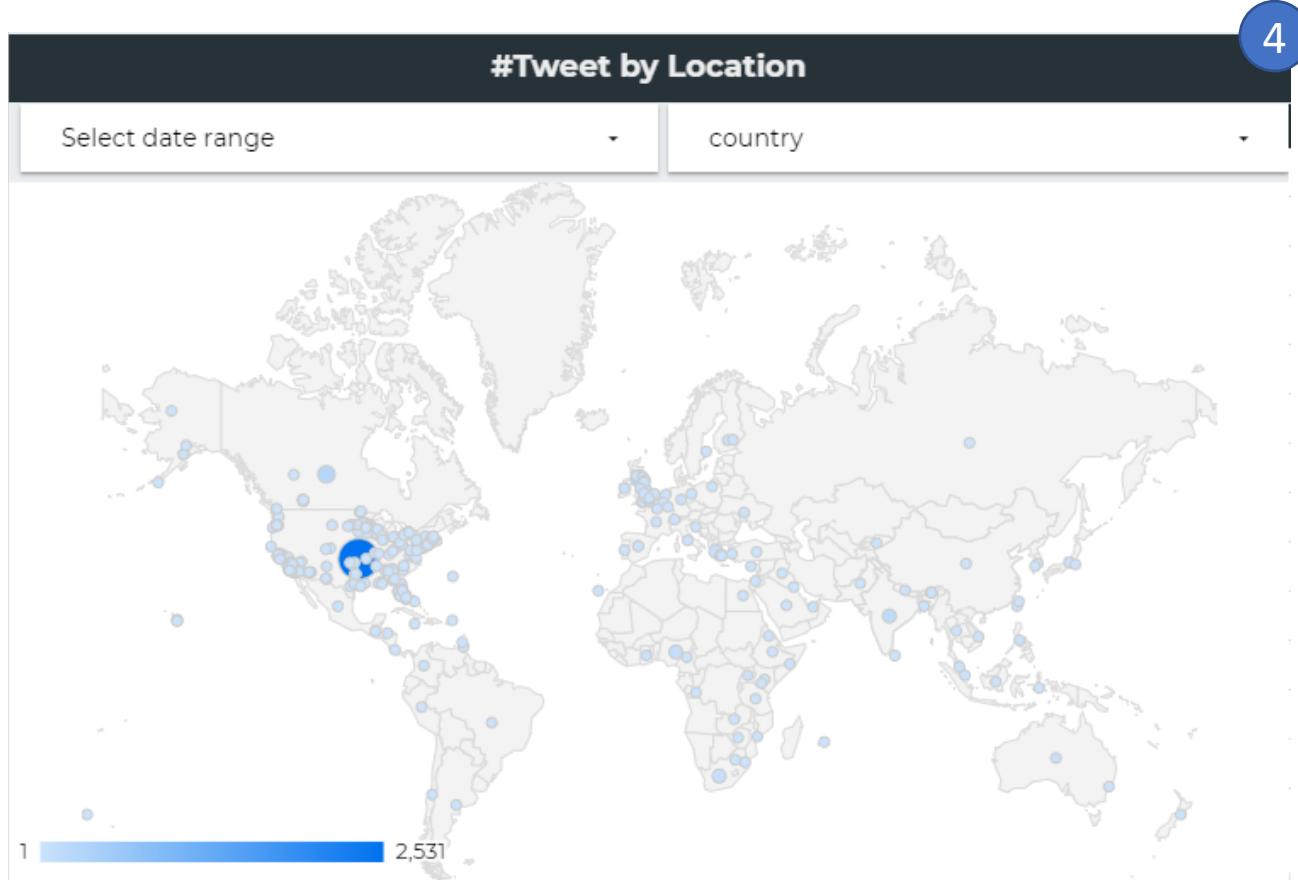
Show data labels:

Color by:

Reference Lines:

Axes: Show axes:
Reverse Y-axis direction:
Reverse X-axis direction:

Charts in dashboard



DATA

Data source: text_filtered.csv

+ BLEND DATA

Date Range Dimension: date

Geo dimension: lat_lon

Drill down: OFF

Metric: AUT Record Count

Optional metrics: OFF

Metric sliders: OFF

Zoom area: World

Default date range: Auto

Custom

Auto date range

Filter: Geo Map Filter

+ ADD A FILTER

Interactions: Apply filter

DATA

Data source: text_filtered.csv

+ BLEND DATA

Date Range Dimension: date

Dimension: country

Default selection: value1, value2, value3

Metric: AUT Record Count

Show values: ON

Compact numbers: ON

Decimal precision: auto

Order: Metric

Descending

Ascending

Show top #: 5000

Default date range: Auto

Custom

Auto date range

(For filter box)

Charts in dashboard

Most Retweeted Tweets

clean_text	retweet_count
1. ghana GH GHGH you should be proud ...	2,202
2. join hands for helping the flood victims...	1,354
3. heavy police and fire presence at 4400...	1,027
4. amazing video shot of the tornado east...	982
5. m5.3 earthquake σεισμός strikes 23 km ...	905
6. excited to finally announce that i am jo...	647
7. finally after all the stop and starts dela...	590
8. 11 37pm fireworks then tear gas deploy...	434
9. m5.1 earthquake σεισμός strikes 23 km n...	372
10. if unsealepstein is "the happening" wo...	243
11. m5.3 earthquake σεισμός strikes 23 km ...	180
12. found our biggest offset yet for the faul...	169
13. this is necessary. i appreciate dan's pas...	153
14. map of felt reports received so far follo...	153

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DATA **STYLE**

Data source: text_filtered.csv

BLEND DATA

Date Range Dimension: date

Dimension: clean_text

Add dimension

Drill down

Metric: retweet_count

Add metric

Optional metrics

Metric sliders

Rows per Page: 100

Show summary row

Sort: retweet_count

Descending

Ascending

Available Fields:

- clean_text
- country
- country_code
- created_at
- date
- disaster_type
- lang
- lat_lon
- place_full_name
- place_name
- place_type
- profile_image
- region
- screen_name
- text
- user_name
- favorite_count
- followers_count
- friends_count
- latitude
- longitude
- retweet_count
- twitter_id
- user_id
- Record Count

Charts in dashboard

Select date range text Contains country disaster_type

	created_at	text	disaster_type	country	retweet_cou...
1.	Jul 19, 2019, 6 AM	Ghana GH GHGH, you should be proud of @shattawalegh! The @Beyonce Shatta song is fire 🔥🔥 #Shatta...	fire	Ghana	1,102
2.	Jul 19, 2019, 8 AM	Ghana GH GHGH, you should be proud of @shattawalegh! The @Beyonce Shatta song is fire 🔥🔥 #Shatta...	fire	Ghana	1,100
3.	Jul 19, 2019, 8 PM	Heavy police and fire presence at 4400 Holden in West Philadelphia. Reports of flames and heavy smoke, at ...	fire	United States	682
4...	Jul 19, 2019, 5 AM	Join Hands for helping the #flood victims of #Assam and other affected states, My SandArt at Puri beach in ...	flood	India	677
5.	Jul 19, 2019, 7 AM	Join Hands for helping the #flood victims of #Assam and other affected states, My SandArt at Puri beach in ...	flood	India	677
6.	Jul 19, 2019, 5 PM	Excited to finally announce that I am joining the #FireEmblem family! I voice Byleth in the upcoming #FireE...	fire	United States	647
7.	Jul 19, 2019, 11 AM	M5.3 #earthquake (#σεισμός) strikes 23 km NW of #Athens (#Greece) 3 min ago. Effects reported by eyewitne...	earthquake	Hellas	604
8.	Jul 19, 2019, 11 AM	Finally, after all the stop and starts, delays, UNFORESEEN EXPENSES, mental stress, FIRE, and what not. I hav...	fire	Nigeria	590
9.	Jul 19, 2019, 5 AM	11:37pm Fireworks then tear gas deployed #puertorico #PuertoRicoMarcha #RickyVeteYa https://t.co/wKPqss...	fire	United States	434
1...	Jul 19, 2019, 11 AM	M5.1 #earthquake (#σεισμός) strikes 23 km NW of #Athens (#Greece) 12 min ago. Updated map of its effects: h...	earthquake	Hellas	372
1...	Jul 19, 2019, 2 AM	Heavy police and fire presence at 4400 Holden in West Philadelphia. Reports of flames and heavy smoke, at ...	fire	United States	345
1...	Jul 19, 2019, 5 PM	Amazing video shot of the tornado east of Carmangay on Thursday, courtesy Sara Banman! #abstorm https://...	storm	Canada	248
1...	Jul 19, 2019, 5 PM	Amazing video shot of the tornado east of Carmangay on Thursday, courtesy Sara Banman! #abstorm https://...	tornado	Canada	248
1...	Jul 19, 2019, 7 PM	Amazing video shot of the tornado east of Carmangay on Thursday, courtesy Sara Banman! #abstorm https://...	storm	Canada	243
1...	Jul 19, 2019, 7 PM	Amazing video shot of the tornado east of Carmangay on Thursday, courtesy Sara Banman! #abstorm https://...	tornado	Canada	243
1...	Jul 19, 2019, 6 PM	If #UnsealEpstein is "the happening", wouldn't that be a logical moment for "the tweet" by @realDonaldTrump...	storm	United Kingdom	243
1...	Jul 19, 2019, 11 AM	M5.3 #earthquake (#σεισμός) strikes 23 km NW of #Athens (#Greece) 3 min ago. Read eyewitnesses' stories &a...	earthquake	Hellas	180
1...	Jul 19, 2019, 12 AM	Found our BIGGEST offset yet for the fault that caused the M7.1 earthquake. This channel is offset about 13 fe...	earthquake	United States	169
1...	Jul 19, 2019, 12 AM	This is necessary. I appreciate Dan's passion. We should all burn with this fire. I'm a man of color before anyt...	fire	United States	153
2...	Jul 19, 2019, 12 PM	M5.3 #earthquake (#σεισμός) strikes 23 km NW of #Athens (#Greece) 3 min ago. Effects reported by eyewitne...	earthquake	Hellas	151
2...	Jul 19, 2019, 4 PM	M5.3 #earthquake (#σεισμός) strikes 23 km NW of #Athens (#Greece) 3 min ago. Effects reported by eyewitne...	earthquake	Hellas	150
2...	Jul 19, 2019, 5 AM	Third day in a row that a customer has open carried a sidearm in my store. It is completely legal, but still scar...	fire	United States	146
2...	Jul 19, 2019, 12 AM	So the Air Force is warning us not to storm #AREA51. Guess I'm going to have to wear my Chuck Norris short...	storm	United States	112
2...	Jul 19, 2019, 1 PM	Flames still high: The fire at @MCEMadison has caused power outages and road closures across downtown ...	fire	United States	100
2...	Jul 19, 2019, 9 AM	Thursday Lightning Strike at 929am in Chicago #storm #news #weather #ilwx #chicago https://t.co/5sEUbaL...	storm	United States	100

DATA STYLE

Data source

Date Range Dimension

Dimension

Drill down

Metric Optional metrics Metric sliders

Rows per Page

Summary row Show summary row

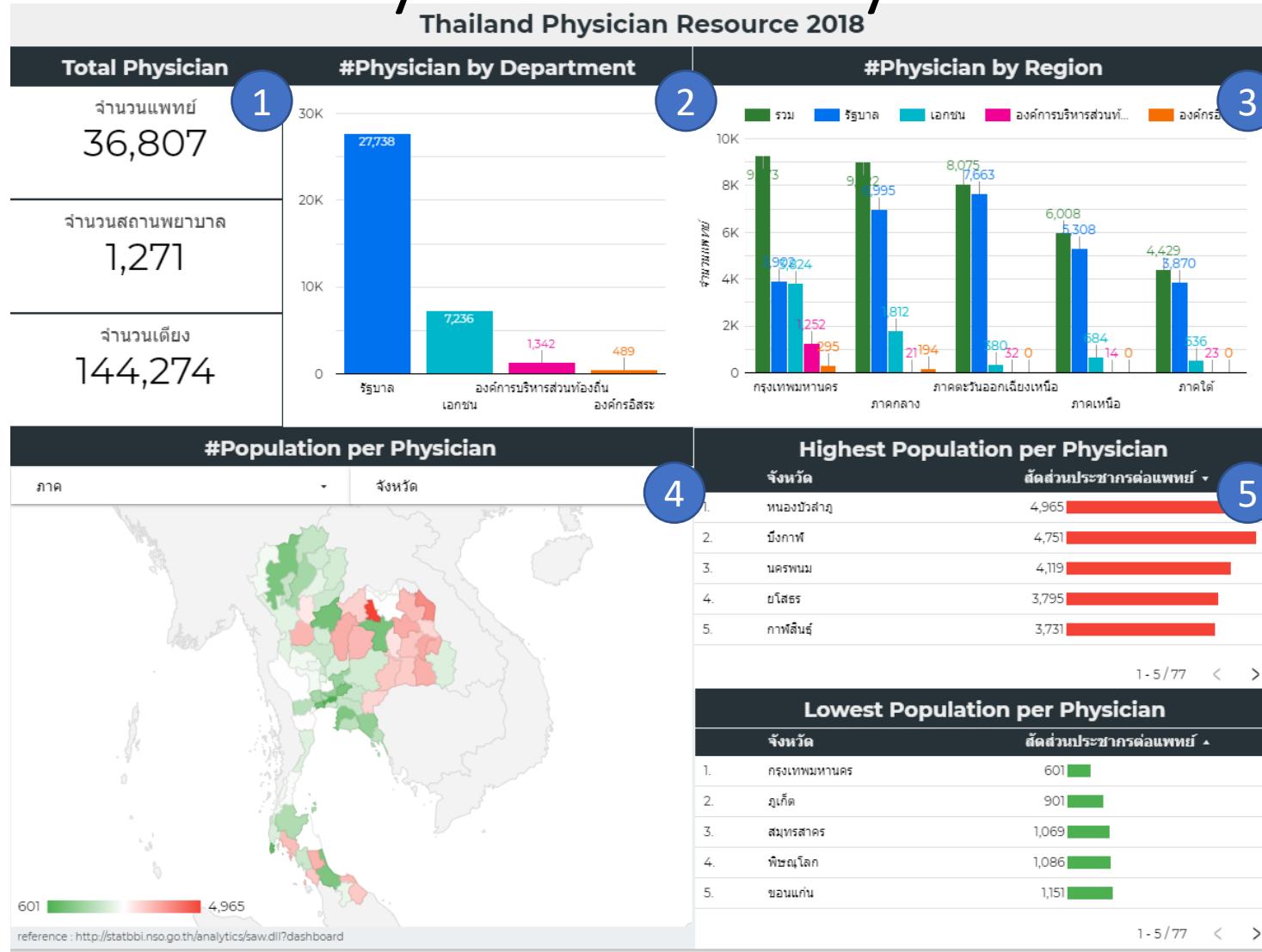
Sort Descending Ascending

Available Fields

- clean_text
- country
- country_code
- created_at
- date
- disaster_type
- lang
- lat_lon
- place_full_name
- place_name
- place_type
- profile_image
- region
- screen_name
- text
- user_name
- favorite_count
- followers_count
- friends_count
- latitude
- longitude
- retweet_count
- twitter_id
- user_id
- Record Count

Part 3: Physician Analysis Dashboard

Part 3: Physician Analysis Dashboard



Preview

<https://datastudio.google.com/reporting/e5aec30-28a1-4670-b3cf-26a27cf0148c>

Materials

- File : med_resources_text.csv

(Data reference : <http://statbbi.nso.go.th/analytics/saw.dll?dashboard>)

- Schema :

Index	Field	Type	Default Aggregation
1	จังหวัด	Region	None
2	จำนวนเตียง	Number	Sum
3	จำนวนบันดแพทย์	Number	Sum
4	จำนวนพยาบาลเทคนิค	Number	Sum
5	จำนวนพยาบาลวิชาชีพ	Number	Sum
6	จำนวนแพทย์	Number	Sum
7	จำนวนเภสัชกร	Number	Sum
8	จำนวนสถานพยาบาล	Number	Sum
9	แผนการบริหาร	Text	None
10	ภาค	Text	None
11	สัดส่วนประชากรต่อบันดแพทย์	Number	Sum
12	สัดส่วนประชากรตอพยาบาล	Number	Sum
13	สัดส่วนประชากรตอพยาบาล...	Number	Sum
14	สัดส่วนประชากรตอแพทย์	Number	Sum
15	สัดส่วนประชากรตอเภสัชกร	Number	Sum
16	Record Count	Number	Auto

Charts in dashboard



Edit Filter

Name: Exclude All Data Data source: med_resources.csv

Exclude: แบบการบริหาร Equal to (=) รวม

AND

DATA STYL

Data source: med_resources.csv

BLEND DATA

Date Range Dimension: Add dimension

Metric: SUM จำนวนแพทย์

Optional metrics: Off

Default date range: None

Comparison date range: None

Filter: Scorecard Filter

Exclude All Data

ADD A FILTER

DATA STYL

Data source: med_resources.csv

BLEND DATA

Date Range Dimension: Add dimension

Metric: SUM จำนวนสถานพยาบาล

Optional metrics: Off

Default date range: None

Comparison date range: None

Filter: Scorecard Filter

Exclude All Data

ADD A FILTER

DATA STYL

Data source: med_resources.csv

BLEND DATA

Date Range Dimension: Add dimension

Metric: SUM จำนวนเตียง

Optional metrics: Off

Default date range: None

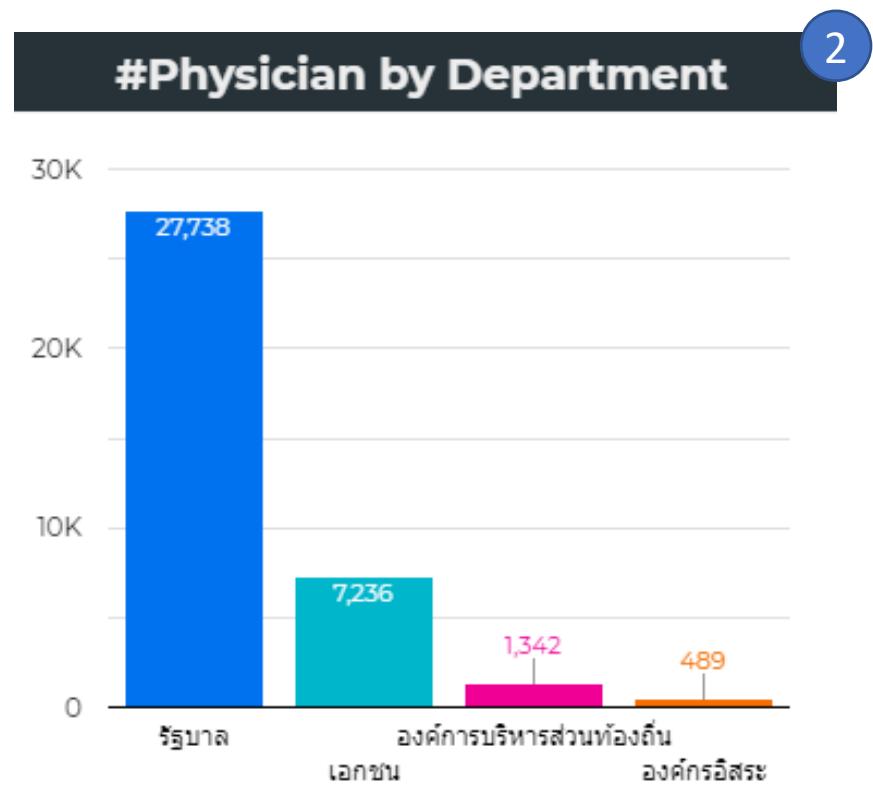
Comparison date range: None

Filter: Scorecard Filter

Exclude All Data

ADD A FILTER

Charts in dashboard



DATA **STYLE**

Data source: med_resources.csv

Date Range Dimension: Add dimension

Dimension: แผนการบริหาร

Drill down: Off

Breakdown Dimension: แผนการบริหาร

Metric: SUM จำนวนแพทย์

Optional metrics: Off

Metric sliders: Off

Sort: SUM จำนวนแพทย์ Descending

Secondary sort: SUM จำนวนแพทย์ Descending

Filter: Bar Chart Filter Exclude All Data

Available Fields:

- จังหวัด
- แผนการบริหาร
- ภาค
- จำนวนเตียง
- จำนวนแพทย์
- จำนวนพยาบาลเทคนิค
- จำนวนพยาบาลริชาร์ด
- จำนวนแพทย์
- จำนวนแพทย์ครก
- จำนวนสถานพยาบาล
- สัดส่วนประชากรต่อหันต...
- สัดส่วนประชากรต่อแพทย...
- สัดส่วนประชากรต่อแพทย...
- Record Count

Bar chart settings:

- Bars: 10
- Series: 10
- Stacked Bars:
- 100% Stacking:
- Show Total Card:
- Show data labels:

Color by:

- Single color
- Bar order
- Dimension values (selected)

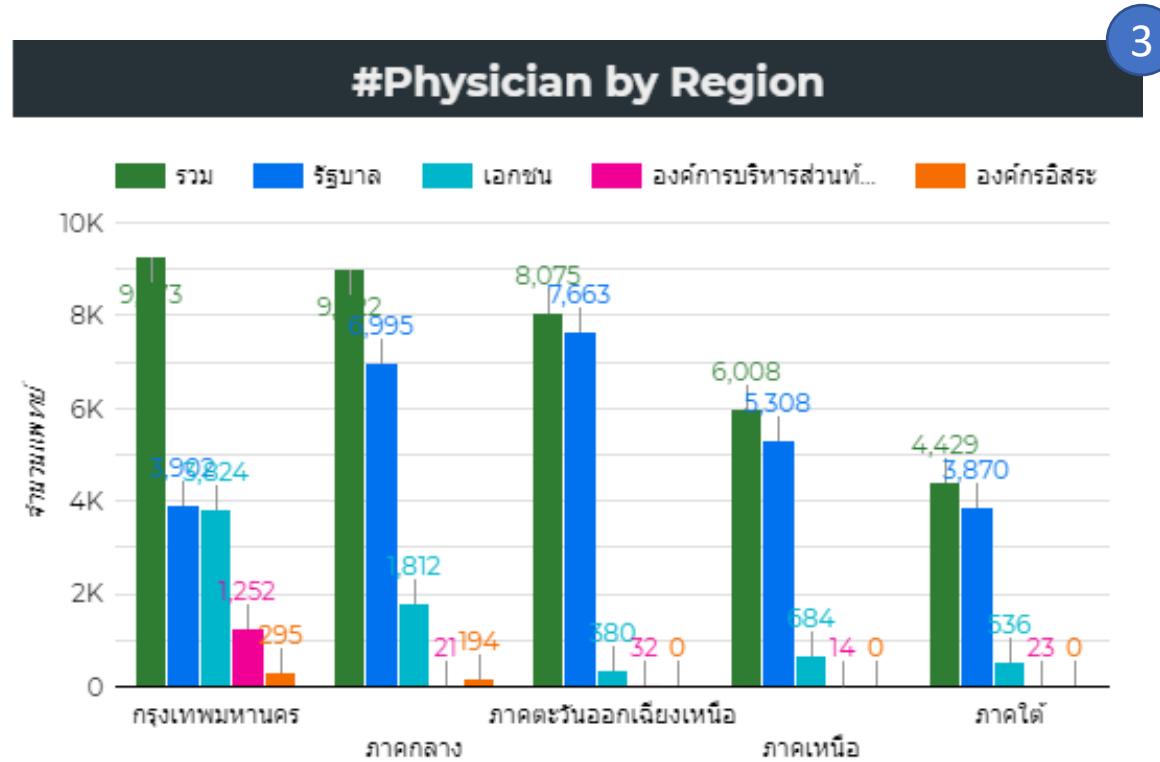
Manage dimension value colors

Reference Lines: Add a reference line

Axes:

- Show axes:
- Reverse Y-axis direction:
- Reverse X-axis direction:

Charts in dashboard



DATA STYLE

Data source: med_resources.csv

Available Fields: จังหวัด, แผนกการบริหาร, ภาค, จำนวนเตียง, จำนวนบ้านพัฒนาชุมชน, จำนวนพยาบาลเวชारย์, จำนวนแพทย์, จำนวนเภสัชกร, จำนวนสถานพยาบาล, สัดส่วนประชากรต่อหัวเมือง, สัดส่วนประชากรต่อพื้นที่, สัดส่วนประชากรต่อแพทย์, สัดส่วนประชากรต่อเภสัชกร, จำนวนแพทย์, Record Count

Dimension: ภาค, แผนกการบริหาร

Metric: จำนวนแพทย์

Optional metrics: จำนวนแพทย์

Sort: จำนวนแพทย์, Descending

Secondary sort: จำนวนแพทย์, Descending

Bar chart settings: Bars: 10, Series: 10, Stacked Bars: unchecked, Show data labels: checked

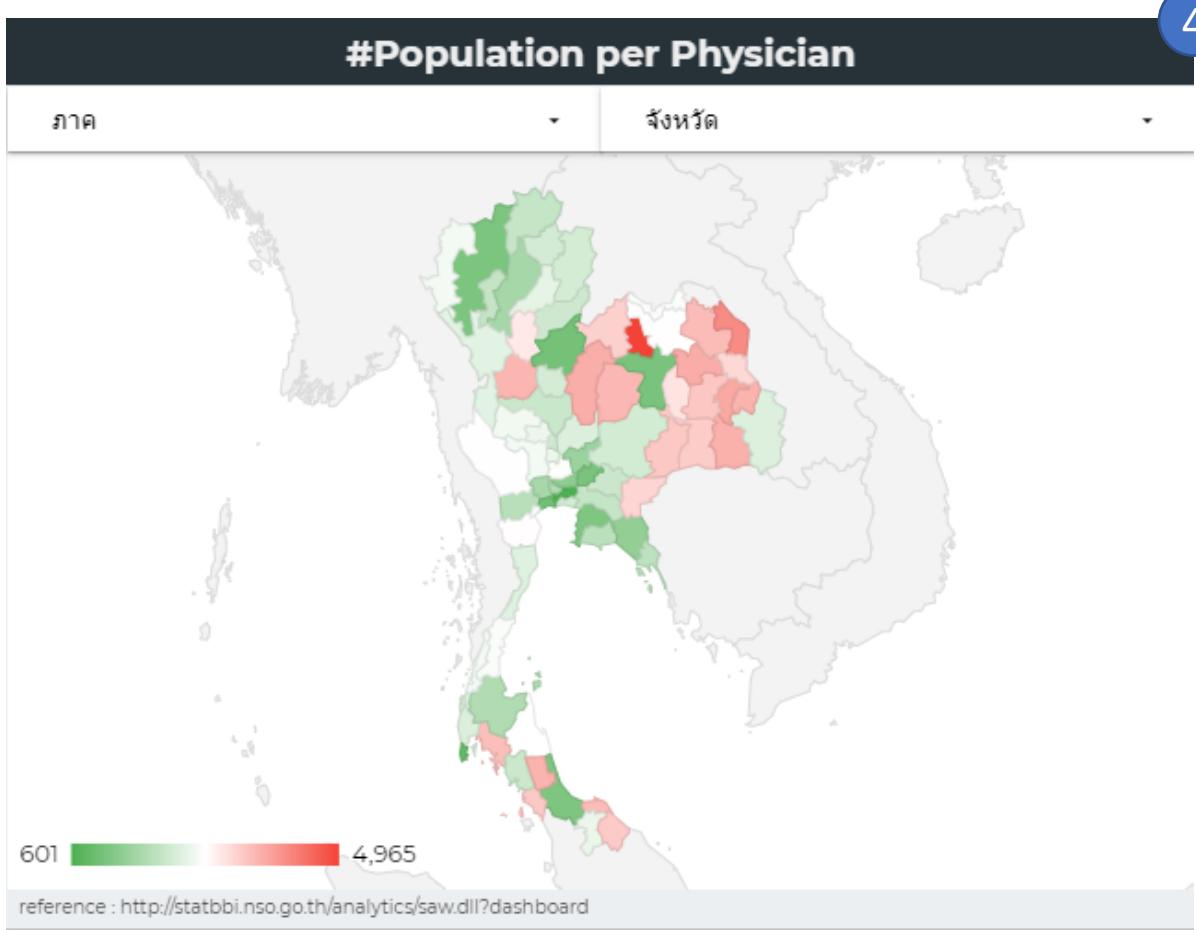
Color by: Dimension values

Reference Lines: Add a reference line

Axes: Show axes

Page: 22/27

Charts in dashboard



4

Create Filter

Name: All Data Only Data source: med_resources.csv

Include: ABC แบบการบริหาร Equal to (=) รวม

AND

DATA

Data source: med_resources.csv

+ BLEND DATA

Date Range Dimension: Add dimension

Geo dimension: จังหวัด

Drill down:

Metric: SUM สัดส่วนประชากรต่อ...

Optional metrics: Add metric

Zoom area: Thailand

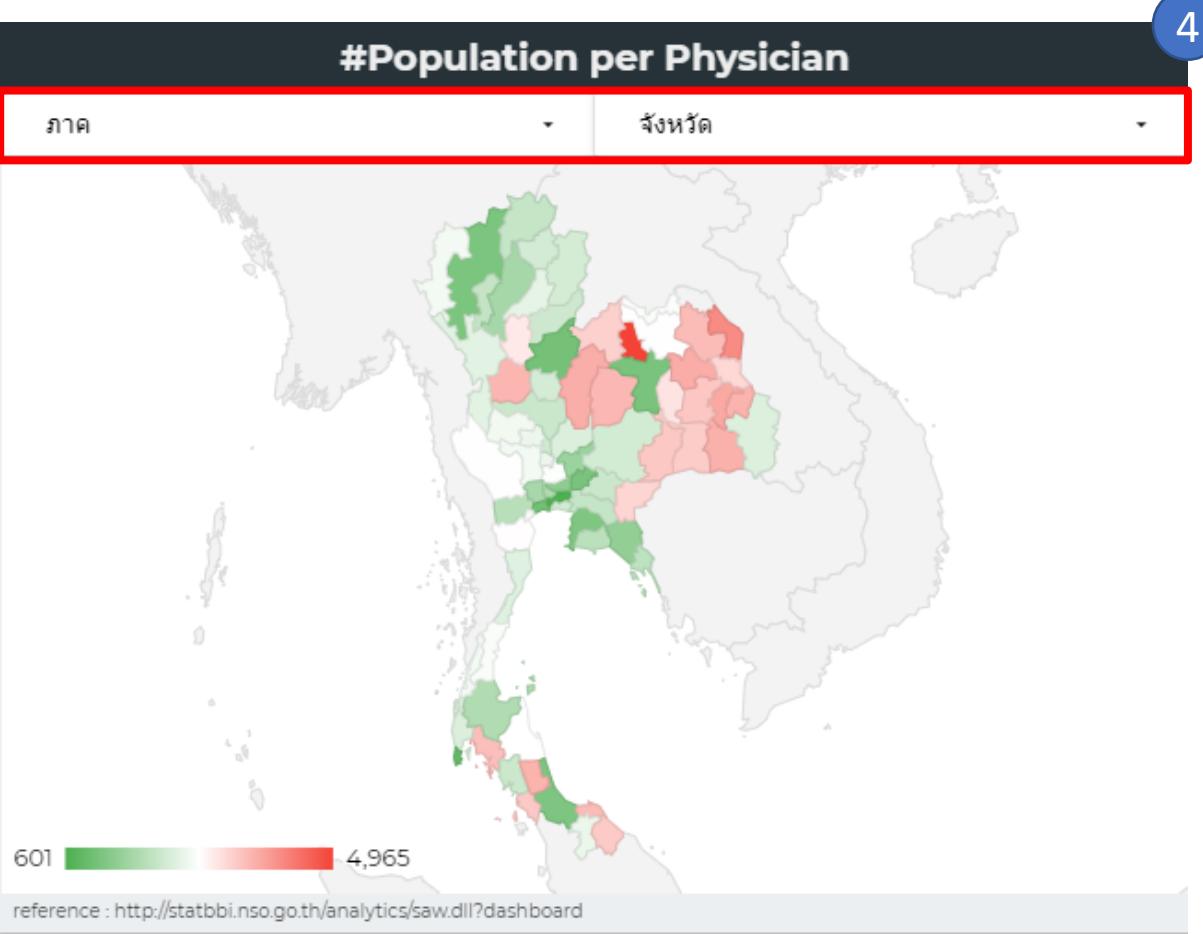
Filter: **All Data Only** [ADD A FILTER](#)

STYLE

Geo Map Chart:

Show legend:

Charts in dashboard



DATA **STYLE**

Data source med_resources.csv

+ BLEND DATA ?

Date Range Dimension

+ Add dimension

Dimension

RBC ภาค

Default selection
value1, value2, value3

Metric

AUT Record Count

Show values

Compact numbers

Decimal precision
auto

DATA **STYLE**

Data source med_resources.csv

+ BLEND DATA ?

Date Range Dimension

+ Add dimension

Dimension

โลก จังหวัด

Default selection
value1, value2, value3

Metric

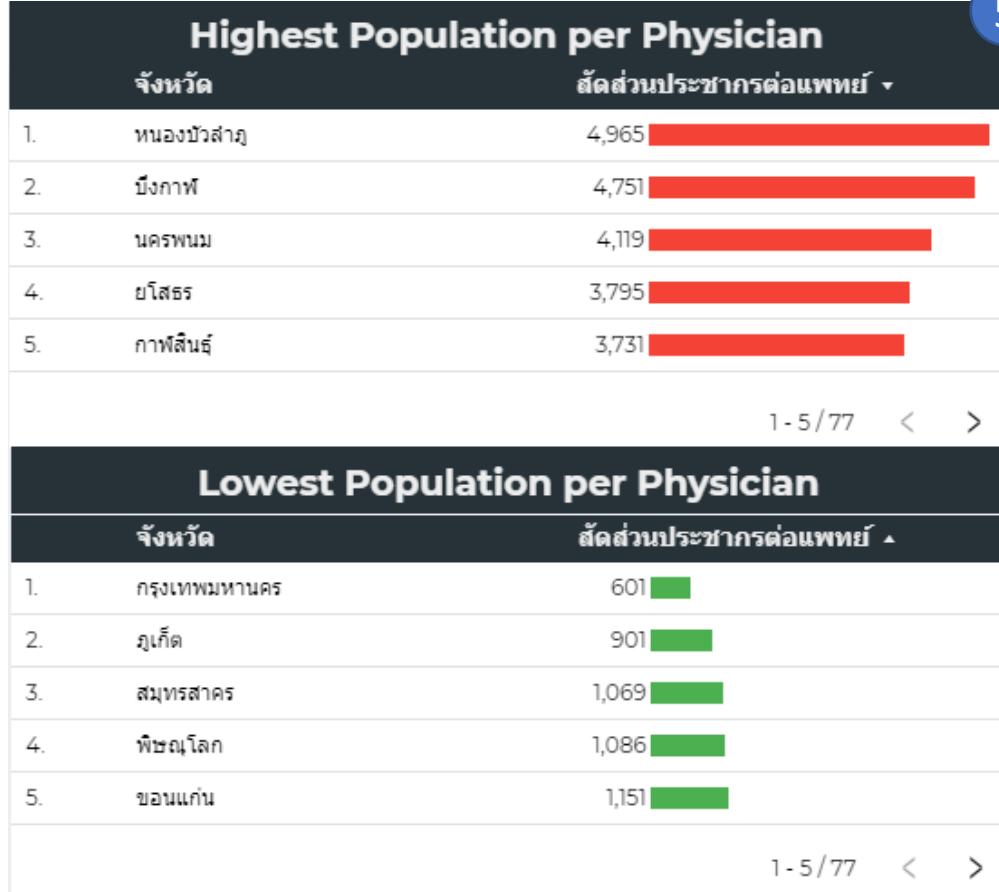
AUT Record Count

Show values

Compact numbers

Decimal precision
auto

Charts in dashboard



DATA STYLE

Data source: med_resources.csv

BLEND DATA

Date Range Dimension: Add dimension

Dimension: จังหวัด

Drill down: Off

Metric: SUM: สัดส่วนประชากรต่อแพทย์

Add metric

Optional metrics: Off

Metric sliders: Off

Rows per Page: 5

Show summary row: Off

Sort: SUM: สัดส่วนประชากรต่อแพทย์, Descending

Ascending

DATA STYLE

Data source: med_resources.csv

BLEND DATA

Date Range Dimension: Add dimension

Dimension: จังหวัด

Drill down: Off

Metric: SUM: สัดส่วนประชากรต่อแพทย์

Add metric

Optional metrics: Off

Metric sliders: Off

Rows per Page: 5

Show summary row: Off

Sort: SUM: สัดส่วนประชากรต่อแพทย์, Descending

Ascending

Metrics: Column #1

Bar

Show number: checked

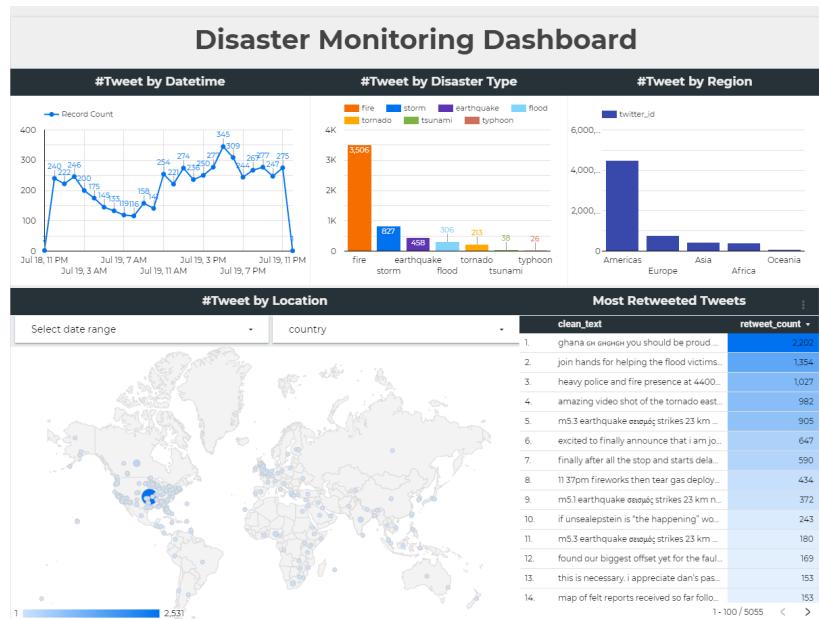
Compact numbers: off

Decimal precision: auto

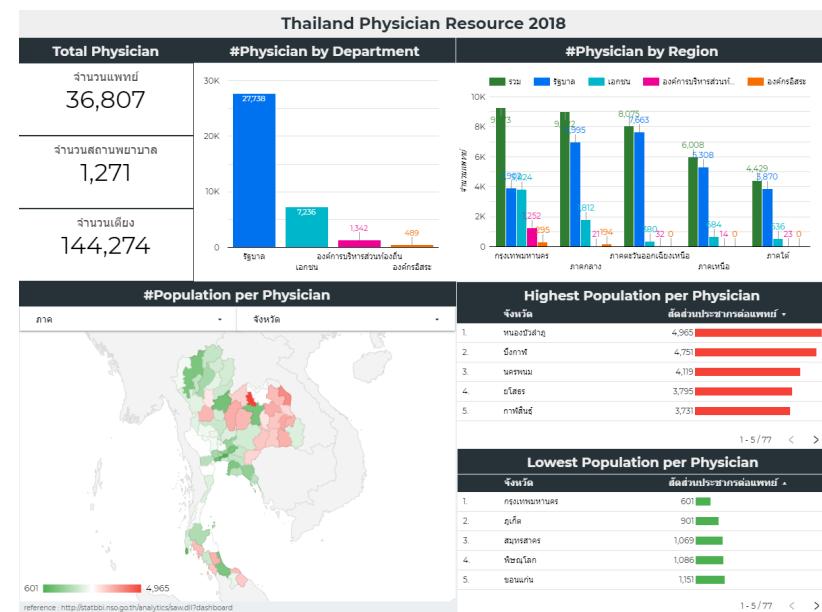
Show target: off

Show axis: off

Finished Dashboards



Tweet Details								
Select date range	text		Contains	Enter a value	country	disaster_type		
created_at	text				disaster_type	country	retweet_count	
Jul 19, 2019, 6 AM	Ghana oh ghana, you should be proud of @shattawaleigh! The @Beyonce Shatta song is fire 🔥🔥🔥#Shatta...				fire	Ghana	1,102	
Jul 19, 2019, 8 AM	Ghana oh ghana, you should be proud of @shattawaleigh! The @Beyonce Shatta song is fire 🔥🔥🔥#Shatta...				fire	Ghana	1,100	
Jul 19, 2019, 8 PM	Heavy police and fire presence at 4400 Holden in West Philadelphia. Reports of flames and heavy smoke, at...				fire	United States	682	
Jul 19, 2019, 5 AM	Join Hands for helping the #flood victims of #Assam and other affected states, MySandArt at Puri beach in ...				flood	India	677	
Jul 19, 2019, 7 AM	Join Hands for helping the #flood victims of #Assam and other affected states, MySandArt at Puri beach in ...				flood	India	677	
Jul 19, 2019, 5 PM	Excited to finally announce that I am joining the #FireEmblem family! I voice Byleth in the upcoming #FireE...				fire	United States	647	
Jul 19, 2019, 11 AM	M5.3 #earthquake (#地震) strikes 23 km NW of #Athens (#Greece) 3 min ago: Effects reported by eyewitne...				earthquake	Hellas	604	
Jul 19, 2019, 11 AM	Finally, after all the stop and starts, delays, UNFORESEEN EXPENSES, mental stress, FIRE, and what not, I have...				fire	Nigeria	590	
Jul 19, 2019, 5 AM	11:37pm Fireworks for the year gas deployed #puertorico #PuertoRicoMarcha #RickyYeyeva https://t.co/vKQpp...				fire	United States	434	
Jul 19, 2019, 11 AM	M5.1 #earthquake (#地震) strikes 23 km NW of #Athens (#Greece) 12 min ago. Updated map of its effects: h...				earthquake	Hellas	372	
Jul 19, 2019, 2 AM	Heavy police and fire presence at 4400 Holden in West Philadelphia. Reports of flames and heavy smoke, at...				fire	United States	345	
Jul 19, 2019, 5 PM	Amazing video shot of the tornado east of Carmangay on Thursday, courtesy Sara Banman! #astorm https://...				storm	Canada	248	
Jul 19, 2019, 5 PM	Amazing video shot of the tornado east of Carmangay on Thursday, courtesy Sara Banman! #astorm https://...				tornado	Canada	248	
Jul 19, 2019, 7 PM	Amazing video shot of the tornado east of Carmangay on Thursday, courtesy Sara Banman! #astorm https://...				storm	Canada	243	
Jul 19, 2019, 7 PM	Amazing video shot of the tornado east of Carmangay on Thursday, courtesy Sara Banman! #astorm https://...				storm	Canada	243	
Jul 19, 2019, 6 PM	If #UnrealEngine is "the happening", wouldn't that be a logical moment for "the tweet" by @realDonaldTrump...				storm	United Kingdom	243	
Jul 19, 2019, 11 AM	M5.3 #earthquake (#地震) strikes 23 km NW of #Athens (#Greece) 3 min ago. Read eyewitnesses stories &...				earthquake	Hellas	180	
Jul 19, 2019, 12 AM	Found our BIGGEST offset yet for the fault that caused the M7.1 earthquake! This channel is offset about 15 fe...				earthquake	United States	169	
Jul 19, 2019, 12 AM	This is necessary. I appreciate Dan's passion: We should all burn with this fire. I'm a man of color before any...				fire	United States	153	
Jul 19, 2019, 12 PM	M5.3 #earthquake (#地震) strikes 23 km NW of #Athens (#Greece) 3 min ago. Effects reported by eyewitne...				earthquake	Hellas	151	
Jul 19, 2019, 4 PM	M5.3 #earthquake (#地震) strikes 23 km NW of #Athens (#Greece) 3 min ago. Effects reported by eyewitne...				earthquake	Hellas	150	
Jul 19, 2019, 5 AM	Third day in a row that a customer has open carried a sidearm in my store. It is completely legal, but still car...				fire	United States	146	
Jul 19, 2019, 12 AM	So the Air Force is warning us not to storm #AREAS! Guess I'm going to have to wear my Chuck Norris short...				storm	United States	112	
Jul 19, 2019, 1 PM	Flames still high: The fire at @MCEMadison has caused power outages and road closures across downtown ...				fire	United States	100	
Jul 19, 2019, 9 AM	Thursday Lightning Strike at 929am in Chicago #storm #news #weather #livx #chicago https://t.co/EuBal...				storm	United States	100	



Q & A

Thank you