

Data Visualization using Google Data Studio

Credit to Kittipoch Saengsai

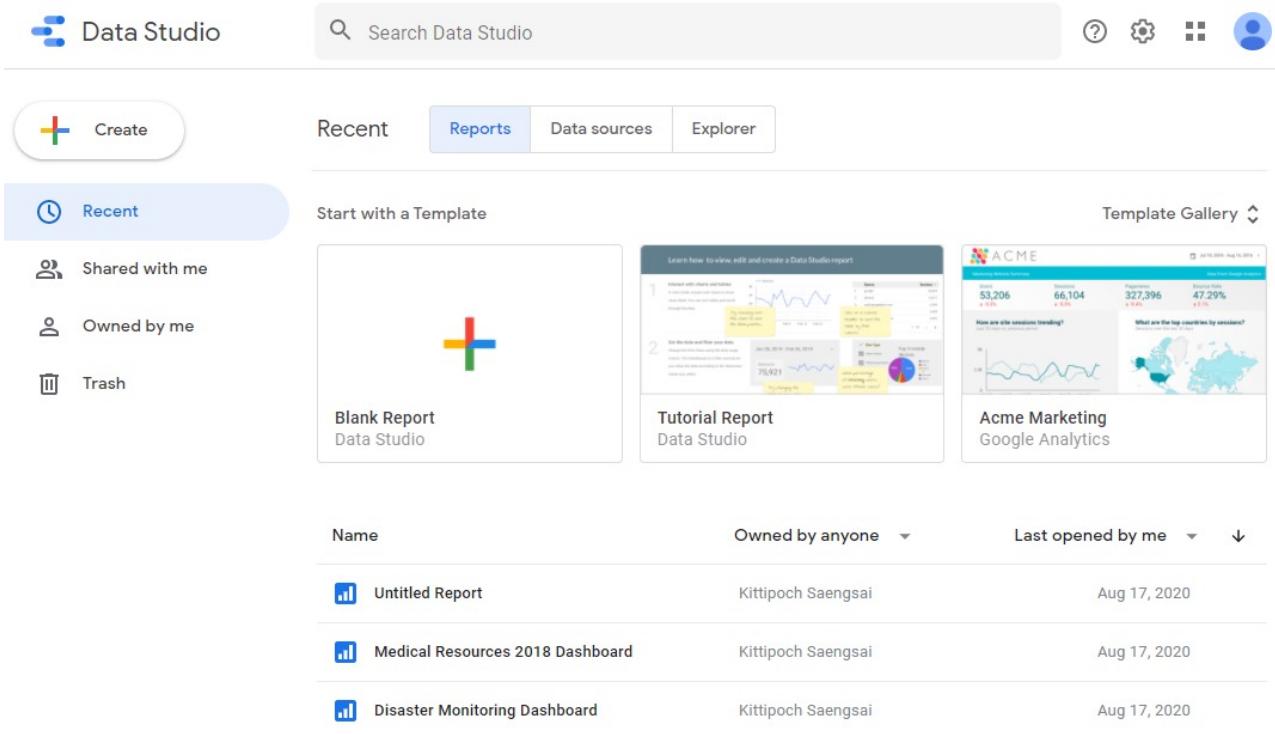
<https://github.com/kaopanboonyuen/GISTDA2022>

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 sidebar with 'Create' (highlighted), 'Report', 'Data source', 'Explorer BETA', and 'Trash'. The main area has a 'File Upload' card with an 'Upload' icon, 'File Upload By Google', and 'Connect to CSV (comma-separated values) files.' To the right is a table showing uploaded files:

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

Below the table are 'DELETE DATA SET' and 'Cancel' and 'Add' buttons.

Basic steps to use Google Data Studio

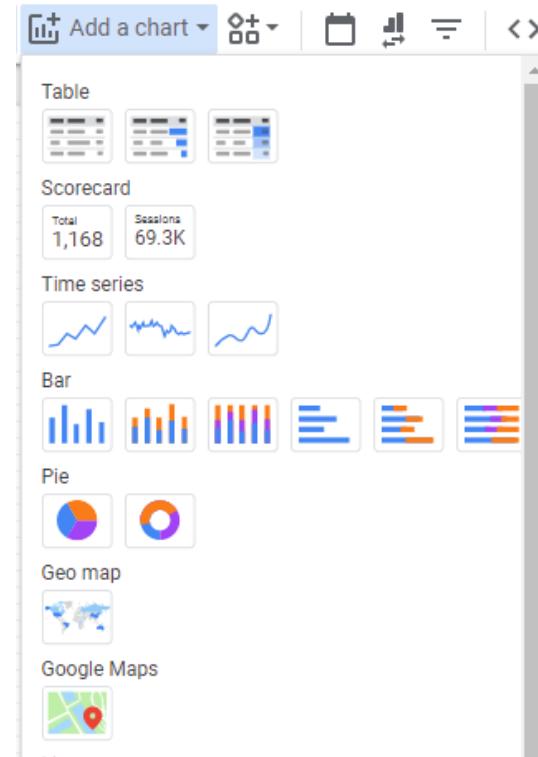
1. Edit table schema.

- ▶ 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	RBC Text

2. Add a Chart.



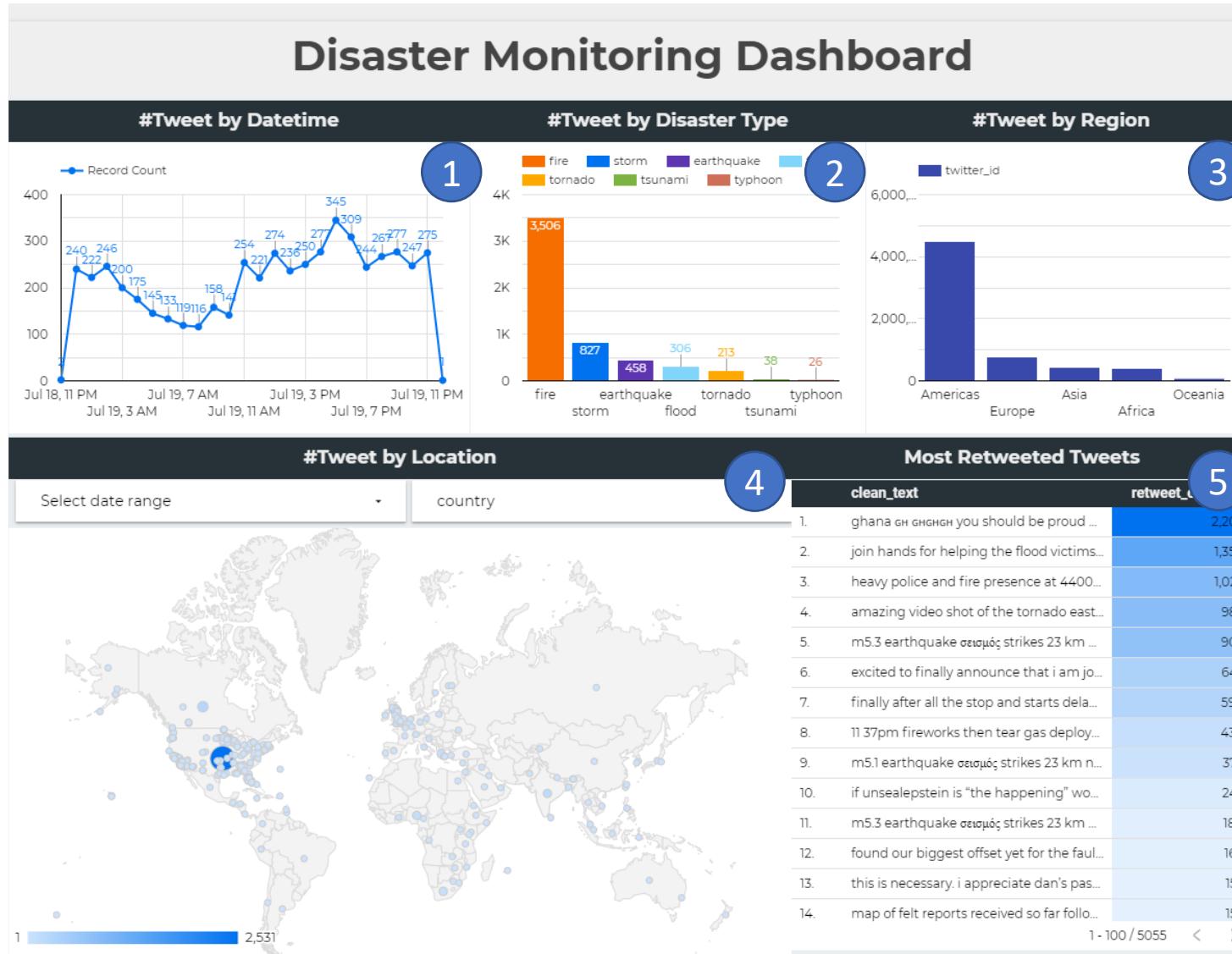
3. Customizes Chart Data and Style.

DATA **STYLE**

Data source	Available Fields
text_filtered.csv	<input type="text"/> Type to search clean_text country country_code created_at date disaster_type lang place_full_name place_name place_type profile_image region screen_name text twitter_id user_name
BLEND DATA	
Date Range Dimension	created_at
Dimension	created_at
Drill down	<input checked="" type="checkbox"/>
Breakdown Dimension	+ Add dimension
Metric	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
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Preview

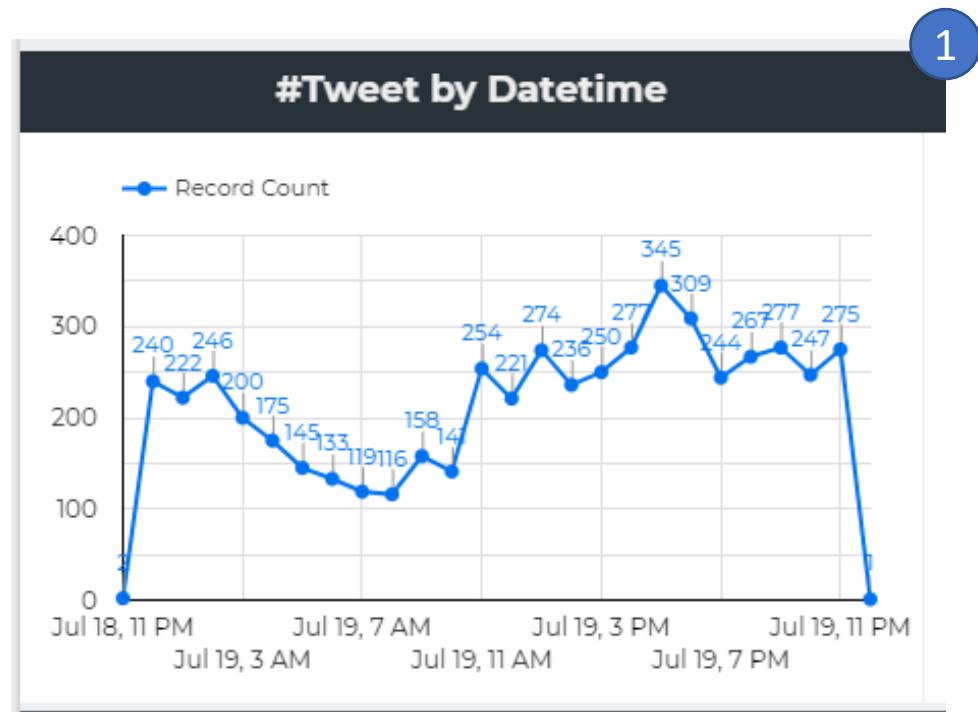
<https://datastudio.google.com/reporting/73d2c54f-c5e0-4451-98e9-3b408332f703>

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

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:

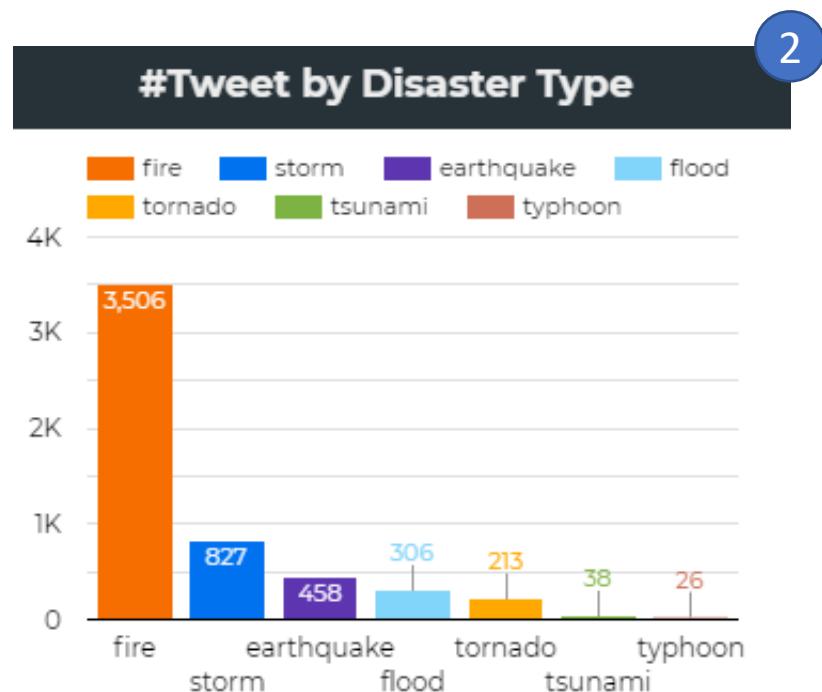
Axes:

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

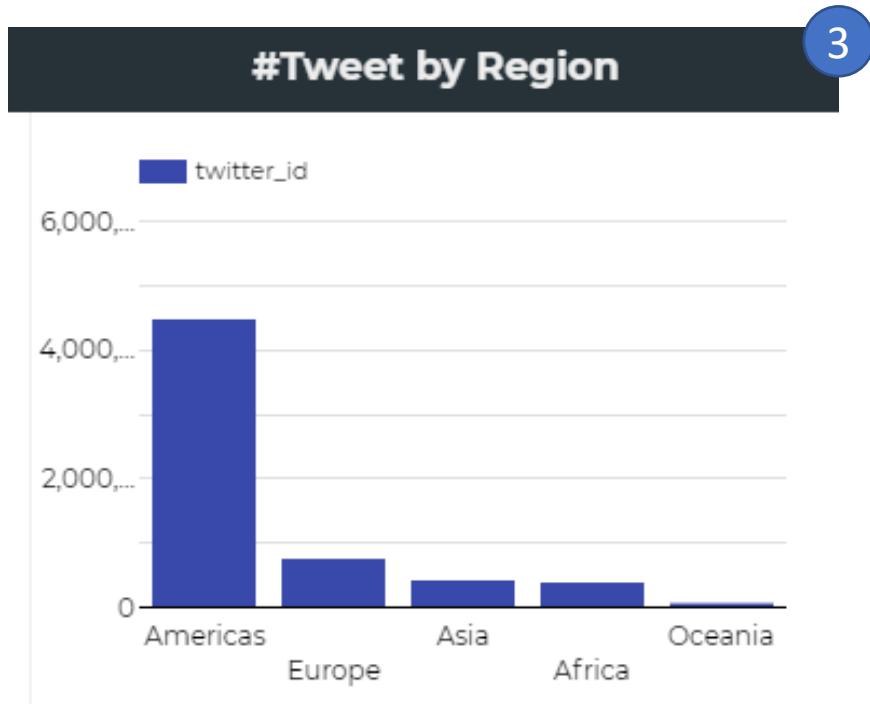
Reference Lines: Add a reference line

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

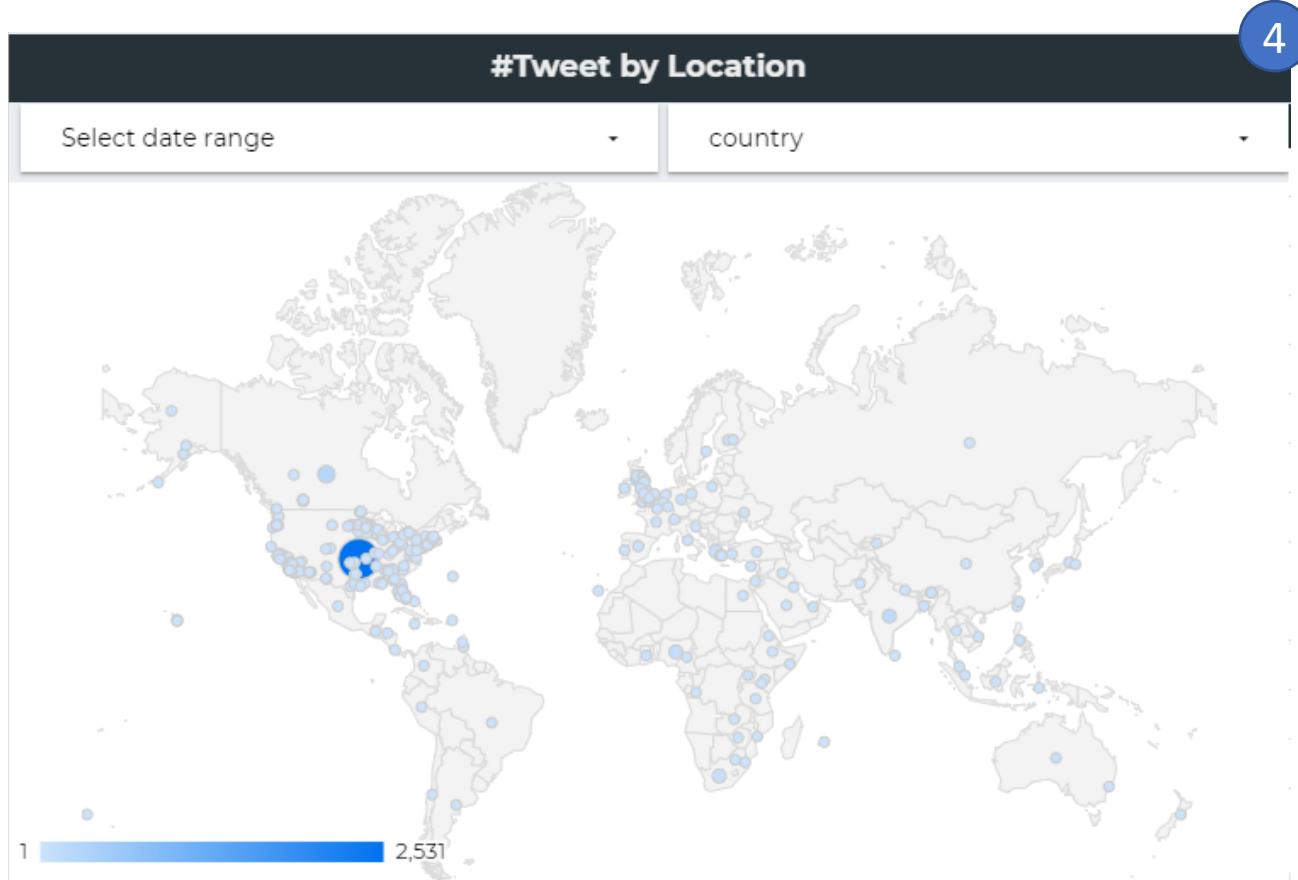
Show data labels:

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

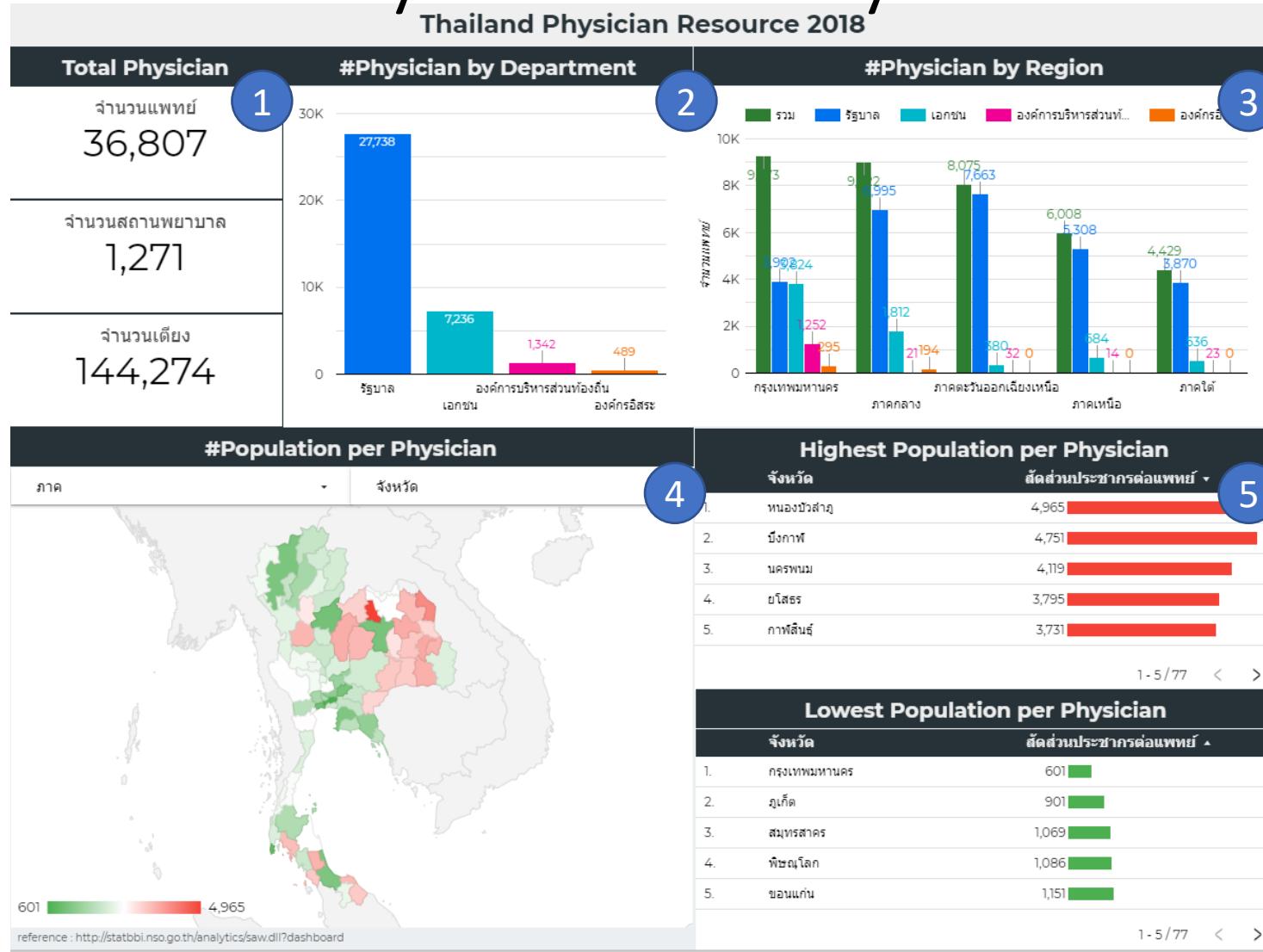
Sort Descending Ascending

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

Filter configuration:

- Name: Exclude All Data
- Data source: med_resources.csv
- Condition: Exclude
- Value: แบบการบริหาร
- Operator: Equal to (=)
- Result: รวม (All)

DATA STYL

DATA STYL

DATA STYL

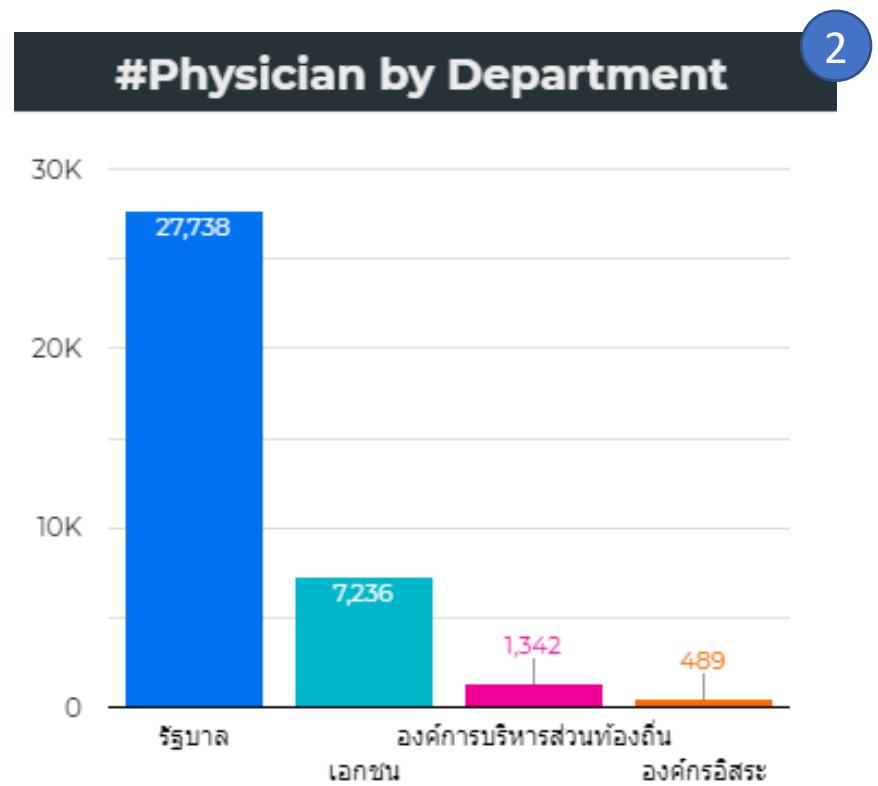
DATA STYL

Each panel shows identical configuration for a data source (med_resources.csv) and metric (SUM จำนวนแพทย์). The 'Scorecard Filter' section at the bottom of the first panel is highlighted with a red box.

Scorecard Filter configuration:

- Exclude All Data
- Add A FILTER

Charts in dashboard



DATA	STYLE
<p>Data source <input type="text" value="med_resources.csv"/> </p> <p> BLEND DATA </p> <p>Date Range Dimension <input type="text" value="Add dimension"/> </p>	<p>Available Fields</p> <p> Type to search</p>
<p>Dimension</p> <p> ແນນການຮົມທາງ </p>	<p> ຈັກກວ້າດ</p> <p> ແນນການຮົມທາງ</p> <p> ກາຕ</p> <p> ຈໍານວນເຕີຍ</p> <p> ຈໍານວນກັນຕພະຍົບ</p> <p> ຈໍານວນພາຍານທັດນີ້</p> <p> ຈໍານວນພາຍານເລືອງຢັ້ງ</p> <p> ຈໍານວນພະຍົບ</p> <p> ຈໍານວນແກ້ໄຂຄຣ</p> <p> ຈໍານວນສຄນພາຍານລ</p> <p> ສັດສວນປະຈຸກຄົວທົ່ວນັດ...</p> <p> ສັດສວນປະຈຸກຄົວພາ...</p> <p> ສັດສວນປະຈຸກຄົວພະຍ...</p> <p> ສັດສວນປະຈຸກຄົວເກສ...</p> <p> Record Count</p>
<p>Drill down </p> <p>Breakdown Dimension ແນນການຮົມທາງ</p>	
<p>Metric</p> <p> ຈໍານວນແພທຍ </p>	
<p>Optional metrics </p> <p>Metric sliders </p>	
<p>Sort</p> <p> ຈໍານວນແພທຍ </p> <p><input checked="" type="radio"/> Descending</p> <p><input type="radio"/> Ascending</p>	
<p>Secondary sort</p> <p> ຈໍານວນແພທຍ </p> <p><input checked="" type="radio"/> Descending</p> <p><input type="radio"/> Ascending</p>	
<p>Filter</p> <p>Bar Chart Filter</p> <p> Exclude All Data </p> <p> ADD A FILTER </p>	

DATA **STYLE**

Bar chart




Bars	Series
10	10

Stacked Bars

100% Stacking

Show Total Card

Show data labels

Color by

Single color

Bar order

Dimension values

 Manage dimension value colors

Reference Lines


Add a reference line

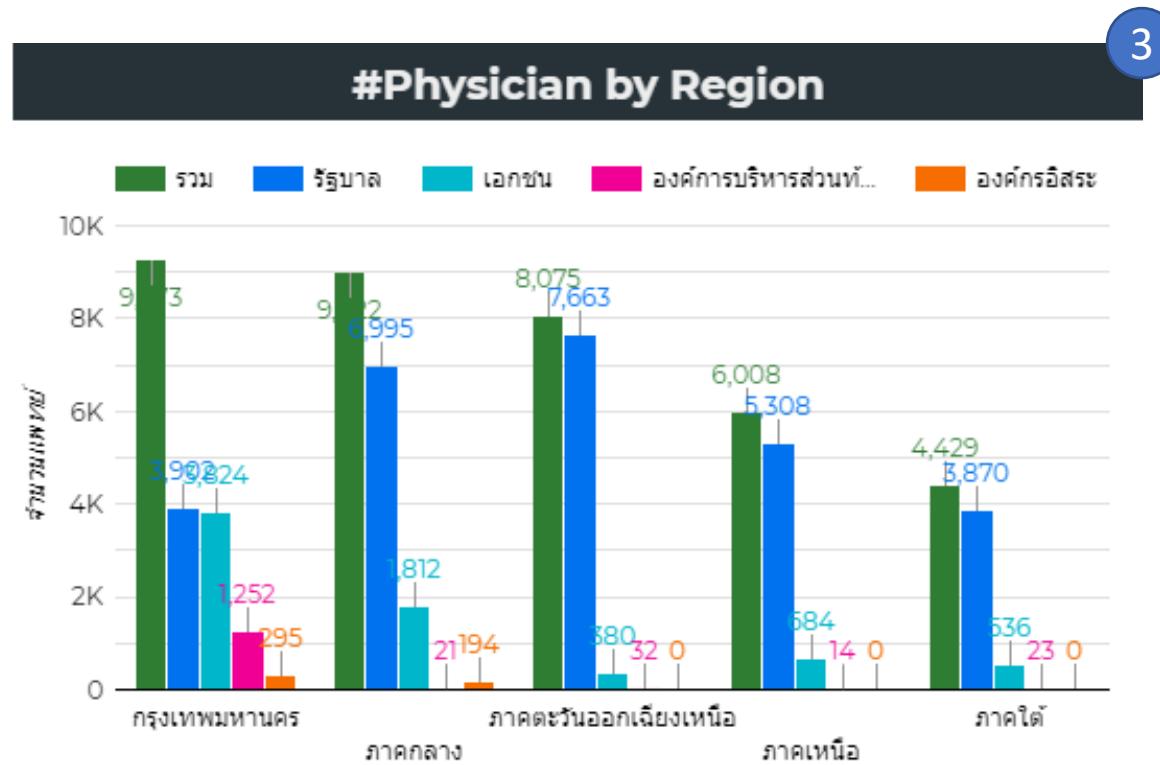
Axes

Show axes

Reverse Y-axis direction

Reverse X-axis direction

Charts in dashboard



DATA STYLE

Data source: med_resources.csv

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

Date Range Dimension: Add dimension

Dimension: ภาค (selected)

Drill down: Off

Breakdown Dimension: แผนกการบริหาร (selected)

Metric: จำนวนแพทย์ (selected)

Optional metrics: Off

Metric sliders: Off

Sort: Descending (selected)

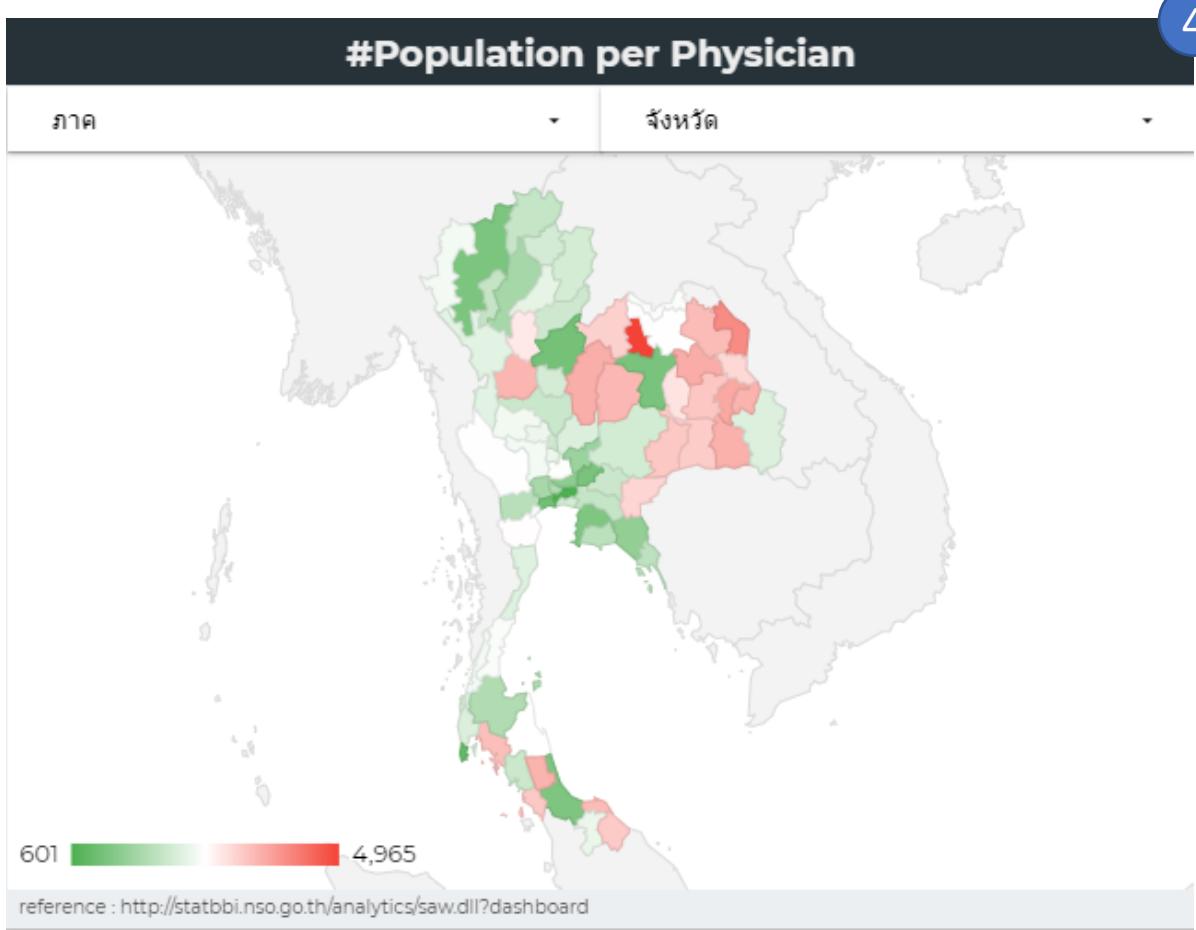
Secondary sort: จำนวนแพทย์

Reference Lines: Add a reference line

Axes: Show axes (selected)

Style: Bar chart, Bars: 10, Series: 10, Stacked Bars: Off, Show data labels: On

Charts in dashboard



4

Create Filter

Name: All Data Only Data source: med_resources.csv

Include: ABC แบบการบริหาร Equal to (=) รวม AND

DATA **STYLE**

Data source: med_resources.csv

Geo dimension: จังหวัด

Metric: SUM สัดส่วนประชากรต่อ...

Show legend

All Data Only

DATA **STYLE**

Geo Map Chart

Zoom area: Thailand

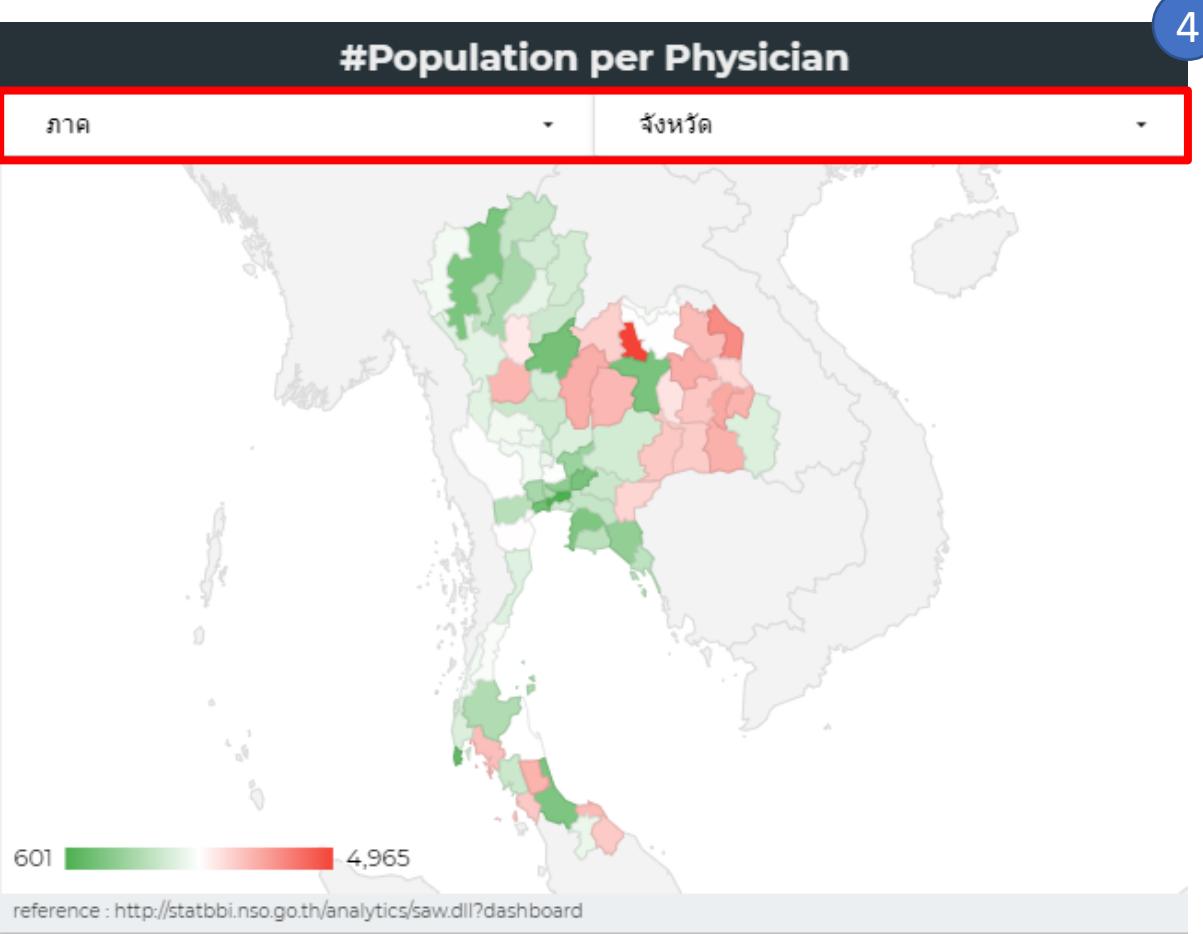
Filter

Geo Map Filter

All Data Only

ADD A FILTER

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

จังหวัด

Default selection
value1, value2, value3

Metric

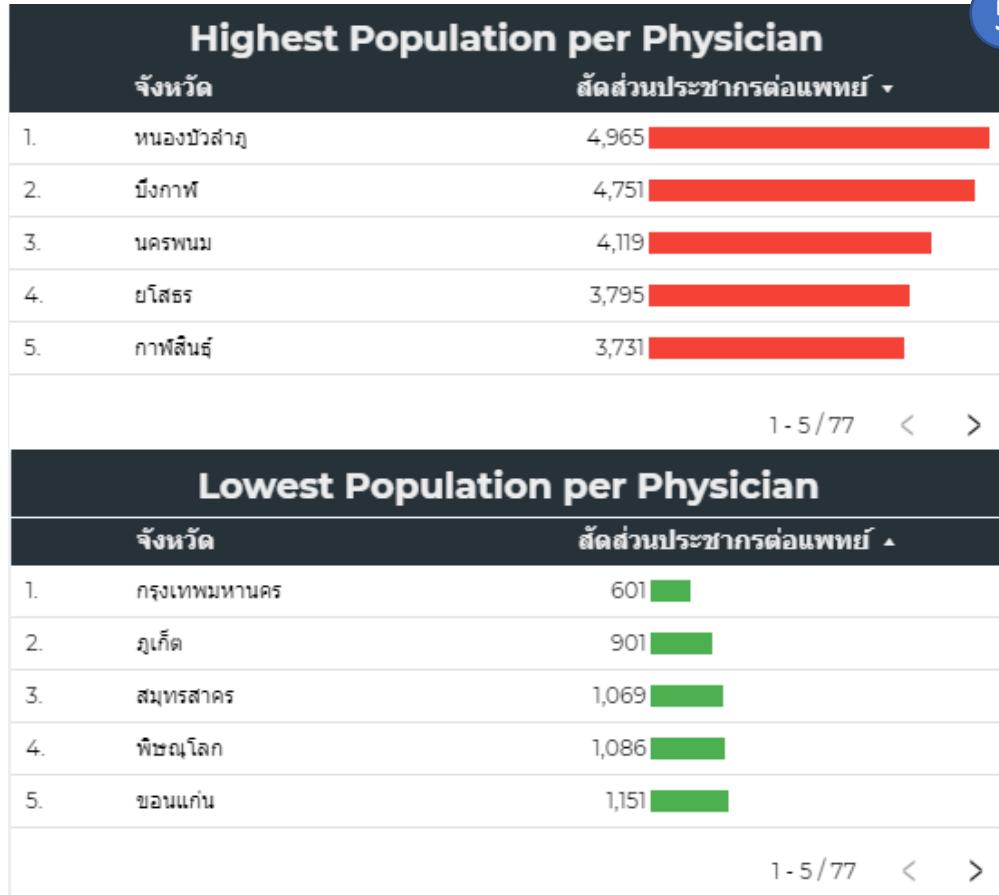
AUT Record Count

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

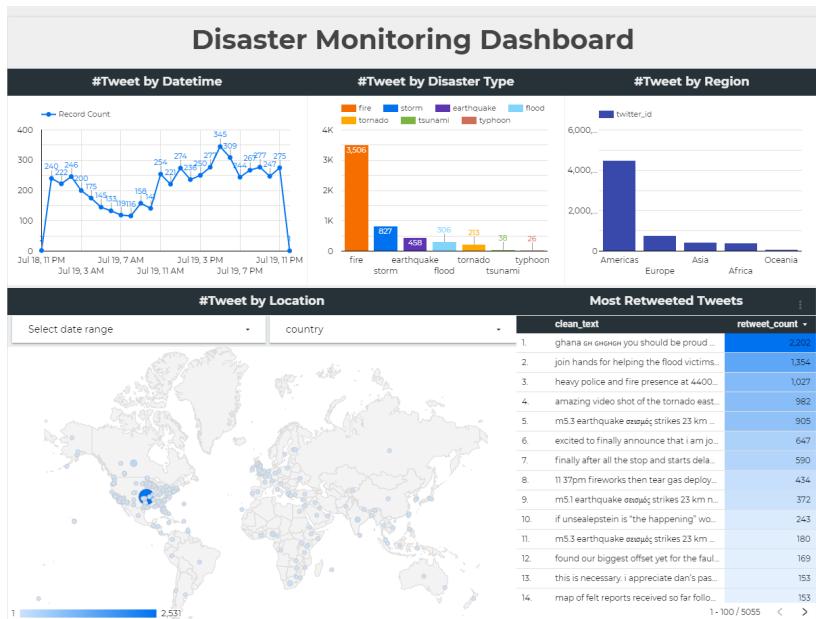
Compact numbers: Off

Decimal precision: auto

Show target: Off

Show axis: Off

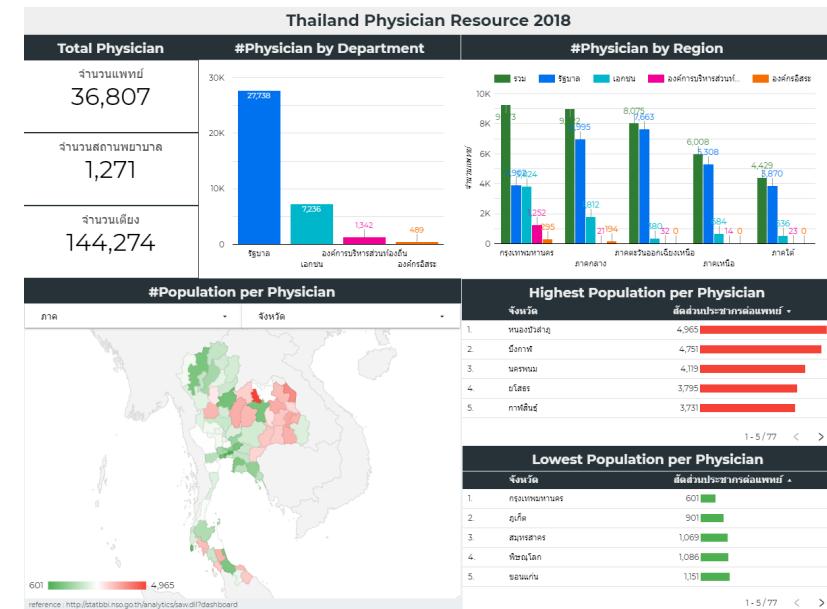
Finished Dashboards



Tweet Details

Select date range: Jul 19, 2019, 6 AM - Jul 19, 2019, 8 PM

created_at	text	disaster_type	country	retweet_cou...
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 #food 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 #food 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! voice Byleth in the upcoming #FireE...	fire	United States	647
Jul 19, 2019, 11 AM	M5.3 #earthquake (#eqaqc) 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 hav...	fire	Nigeria	590
Jul 19, 2019, 5 AM	11:37pm fireworks then tear gas deployed #puertorico #PuertoRicoMarcha #RickyVetena https://t.co/wKQgs...	fire	United States	434
Jul 19, 2019, 11 AM	M5.1 #earthquake (#eqaqc) 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! #abstorm https://...	storm	Canada	248
Jul 19, 2019, 5 PM	Amazing video shot of the tornado east of Carmangay on Thursday, courtesy Sara Banman! #abstorm https://...	tornado	Canada	248
Jul 19, 2019, 7 PM	Amazing video shot of the tornado east of Carmangay on Thursday, courtesy Sara Banman! #abstorm https://...	storm	Canada	243
Jul 19, 2019, 7 PM	Amazing video shot of the tornado east of Carmangay on Thursday, courtesy Sara Banman! #abstorm https://...	tornado	Canada	243
Jul 19, 2019, 6 PM	If UrseelEpstein is "the happening", wouldn't that be a logical moment for "the tweet" by @realDonaldDr...	storm	United Kingdom	243
Jul 19, 2019, 11 AM	M5.3 #earthquake (#eqaqc) strikes 23 km NW of Athens (#Greece) 3 min ago. Read eyewitness' 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 13 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 AM	MS.3 #earthquake (#eqaqc) strikes 23 km NW of Athens (#Greece) 3 min ago. Effects reported by eyewitne...	earthquake	Hellas	151
Jul 19, 2019, 4 PM	MS.3 #earthquake (#eqaqc) 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 scar...	fire	United States	146
Jul 19, 2019, 12 AM	So the Air Force is warning us not to storm #AREAST!. 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 @MCMEdison 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 #ilwx #chicago https://t.co/5sEUbaL...	storm	United States	100



Q & A

Thank you