



Introduction to Data Visualization and Web Scrapping

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

Outline



- Part 0: Basic Python and Pandas
- Part 1: Data Visualization using Google Data Studio
- Part 2: Web Scraping in Python With BeautifulSoup and Twitter Scraping

All python codes/notebooks/slides will be posted here:

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

Part 0: Basic Python and Pandas

Module 0: Basic Python and Pandas

- Python Recap:  [Open in Colab](#)
- Pandas:  [Open in Colab](#)



Looker Studio



Selenium

Part 1: Data Visualization using Google Data Studio

Module 1: Google Data Studio (Looker Studio): <https://lookerstudio.google.com/>

- Disaster Tweets (Data Set):

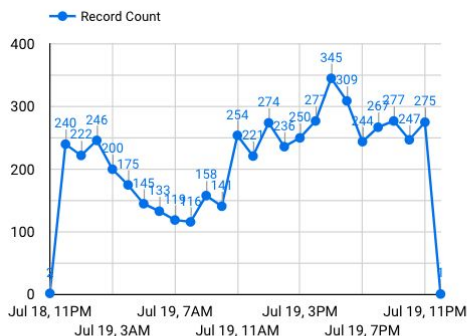
https://github.com/kaopanboonyuen/GISTDA2023/raw/main/dataset/visualize/disaster_text.csv

- Med Resource (Data Set):

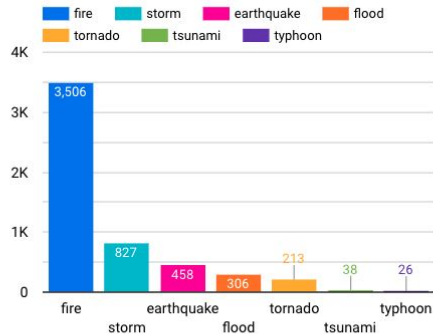
https://github.com/kaopanboonyuen/GISTDA2023/raw/main/dataset/visualize/med_resources_text.csv

Disastor Monitoring Dashboard

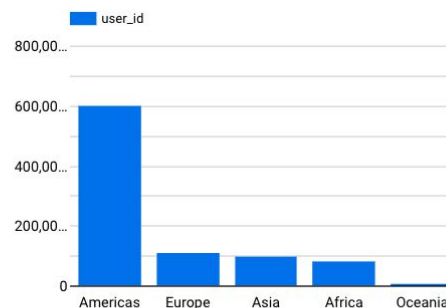
Tweet by Datetime



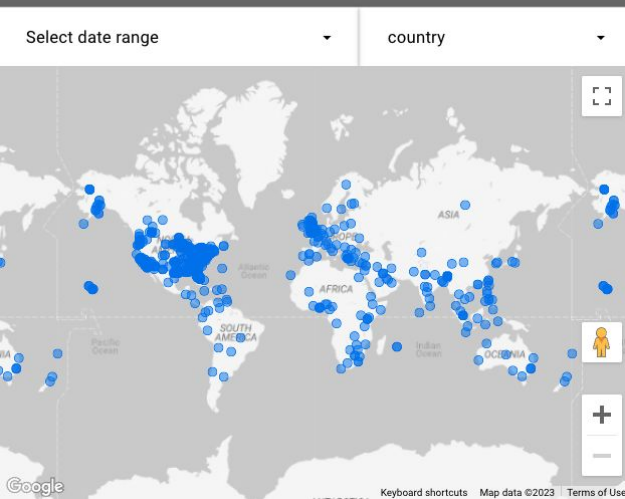
Tweet by DisasterType



Tweet by Region



Tweet by Location



Most Retweeted Tweets

	clean_text	retweet_count
1.	ghana 🇬🇭🇬🇭🇬🇭 you should be proud of the shatt...	2,202
2.	join hands for helping the flood victims of assam a...	1,354
3.	heavy police and fire presence at 4400 holden in we...	1,027
4.	amazing video shot of the tornado east of carmang...	982
5.	m5.3 earthquake σεισμός strikes 23 km nw of athe...	905
6.	excited to finally announce that i am joining the fire...	647
7.	finally after all the stop and starts delays unforesee...	590
8.	11 37pm fireworks then tear gas deployed puertoric...	434
9.	m5.1 earthquake σεισμός strikes 23 km nw of athe...	372
10.	if unsealepstein is "the happening" wouldn't that be ...	243
11.	m5.3 earthquake σεισμός strikes 23 km nw of athe...	180
12.	found our biggest offset yet for the fault that cause...	169

Thailand Physician Resource

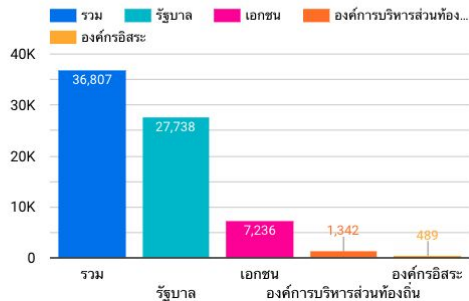
#Total Physicians

จำนวนแพทย์
36,807

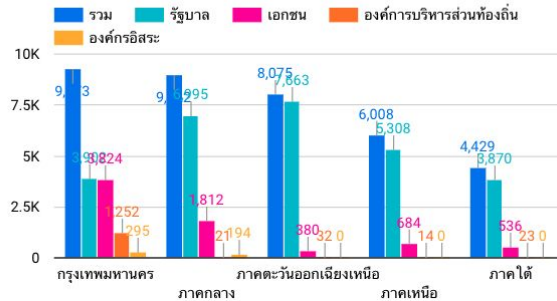
จำนวนสถานพยาบาล
1,271

จำนวนเตียง
149,641

#Physician by Department

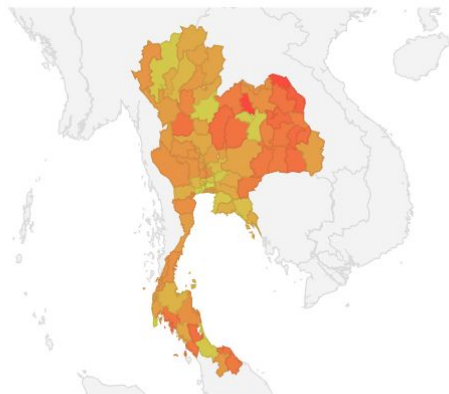


#Physician by Region



#Population per Physician

ภาค	จังหวัด
-----	---------



601 4,965

#Highest Population Per Physician

จังหวัด	สัดส่วนประชากรต่อแพทย์
5. กาฬสินธุ์	3,731
6. เพชรบูรณ์	3,719
7. ศรีสะเกษ	3,697
8. พัทลุง	3,669
9. อำนาจเจริญ	3,666

1 - 77 / 77



#Lowest Population Per Physician

จังหวัด	สัดส่วนประชากรต่อแพทย์
1. กรุงเทพมหานคร	601
2.ภูเก็ต	901
3.สมุทรสาคร	1,069
4.พิษณุโลก	1,086

1 - 77 / 77

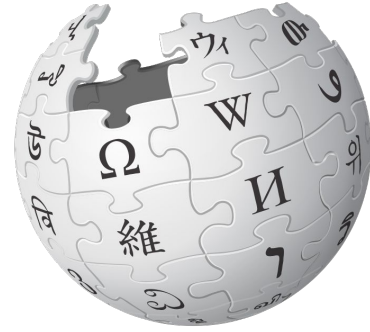
Part 2: Web Scraping in Python With BeautifulSoup and Twitter Scraping

Module 2: Web Scraping and Twitter Scraping

- Web Scraping:  [Open in Colab](#)
- Twitter Scraping:  [Open in Colab](#)



Web Scrapping



WIKIPEDIA
The Free Encyclopedia

