Travel Planning with Accurate COVID Data

Team: SpaceKats, Team 100
Members: Mrinali J.

Problem

- Authentic and Trustworthy information about Covid19 is hard to find

- If you are planning to go somewhere there is no reliable info for the trend of that area and safety measures require

- Websites are unreliable and hard to navigate

- Requires multiple clicks to get to the exact zip/county

Solution

A program that you can run in your terminal that doesn't require any searches.

- Input:

    - Country Name,

    - Type of Data

- Output:

    - Total cases confirmed

    - Deaths

    - Active cases

```
Mrinalis-Air:get-covid-results mrinalijain$ python3 mycovid.py "India"
India

Confirmed: 2214137

Deaths: 44466

Active Cases: 635393
```

Working code Vs. Data from Worldometers

worldometers.info/coronavirus/#countries

Report coronavirus cases

Now | Yesterday | 2 Days Ago | Columns ▾ | Search:

All | Europe | North America | Asia | South America | Africa | Oceania

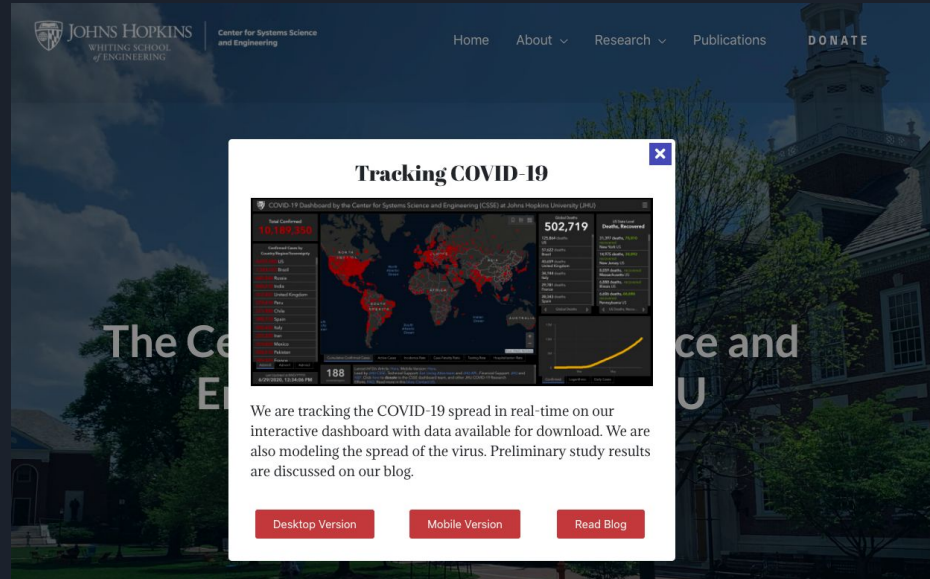| #	Country, Other	Total Cases	New Cases	Total Deaths	New Deaths	Total Recovered	Active Cases	Serious, Critical	Tot Cases/ 1M pop	Deaths/ 1M pop	Total Tests	Tests/ 1M pop
	World	20,008,255	+211,306	733,345	+4,536	12,886,622	6,388,288	64,922	2,567	94.1		
1	USA	5,198,650	+47,055	165,592	+509	2,664,071	2,368,987	17,897	15,696	500	65,427,767	197,539
2	Brazil	3,035,582	+22,213	101,136	+593	2,118,460	815,986	8,318	14,270	475	13,231,548	62,201
3	India	2,214,137	+62,117	44,466	+1,013	1,534,278	635,393	8,944	1,603	32	24,106,535	17,450

Libraries: covid

- https://pypi.org/project/covid/

- Can use John Hopkins or Worldometers

Sources of Data

- John Hopkins University

- Worldometers Info

Opportunities

- Narrowing down to states, counties, zip codes

- Show trends for past 5- 10 days on saved areas for confirmed cases

- Create a GUI

- Show a single 1 to 10 scale rating of likelihood of contracting Covid 19 in

  an area

Conclusion

In Covid19 times, it can be really hard to plan travel information, especially for busy business executives who need to close deals or to find places which need the most supplies or medical help.

I hope our solution, can easily help professionals easily find the right information right at the tip of their fingertips.

Thank You for your valuable time