

Proposal



Regression model of the effect of the vaccine on the spread of COVID-19

BY: Tarfah Alabbadd

Introduction:

COVID-19 pandemic has effected all of our lives for the past two years having lockdowns, social distance and other safety measurements until the creation of vaccines it reduces the effect of COVID on people, so I'm performing regression model of how the vaccine effected the spread of COVID and what features I'm going to use for this model.

Datasets:

I'm using different websites for performing web scraping including:

The BBC news: <https://www.bbc.com/news/world-51235105>

<https://ig.ft.com/coronavirus-lockdowns/>

<https://www.economist.com/graphic-detail/tracking-coronavirus-across-the-world>

[nature.com/articles/s41562-021-01122-8](https://www.nature.com/articles/s41562-021-01122-8)

And external datasets.

Algorithms:

I will be using data scraped from multiple websites, build linear regression models and other feature engineering , selection and evaluation rigorous model.

Tools:

I will be using BeautifulSoup and Selenium web scraping tools , also different python libraries with jupyter notebook such as pandas, matplotlib and seaborn, numpy and stat also, SQLite to perform Exploratory data analysis.

Conclusion:

In conclusion in the end of my model I will predict how the vaccine effect the spread of COVID-19 virus and how I interpreted the features that I choose for making the regression model.