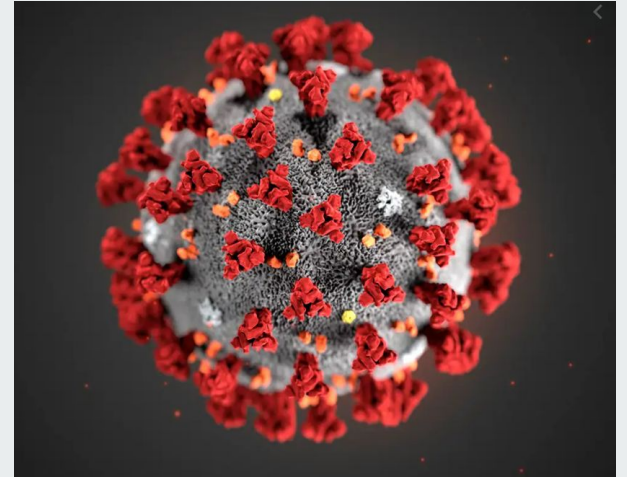


Group Project

Segment 2 - Storyboard

Group 9





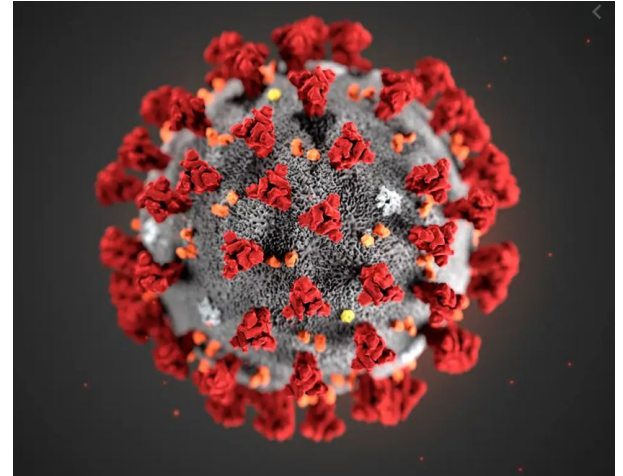
Presentation Outline - Group 9 Project

- ✓ Selected topic
- ✓ Reason why they selected their topic
- ✓ Description of their source of data
- ✓ Questions they hope to answer with the data
- ✓ Description of the data exploration phase of the project
- ✓ Description of the analysis phase of the project

Introduction

Who hasn't been affected by COVID-19?

The Covid-19 pandemic has impacted the lives of billions of people all over the globe. Every member of the team has been affected in some way and we would like to use the skills we have learned to contribute to a better understanding of the spread of the virus.





Questions we hope to answer with the data

- Based on available data, how many cases can a country expect to see over the next two weeks?
- Based on available data, how many fatalities can a country expect to see over the next two weeks?
- Bonus: How have the creation of vaccines affected the number of cases/fatalities in the United States?



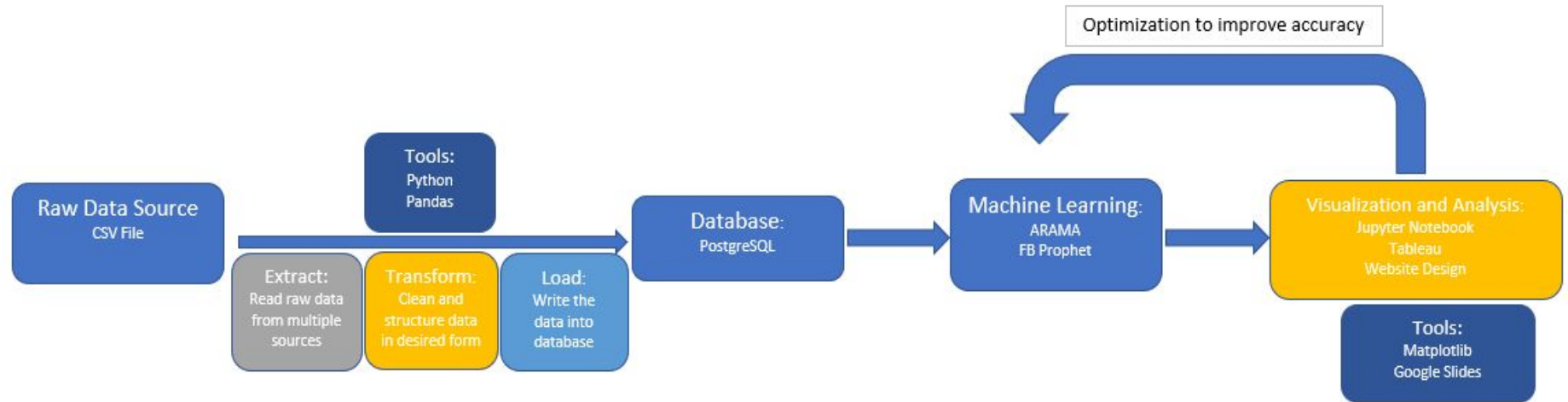
The Data

The dataset we are using is `owid-covid-data.csv`. Our World in Data have collated the data from a number of different sources, which can be found [here](#). They source their data from the following organizations:

- COVID-19 Data Repository by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University (JHU)
- European Centre for Disease Prevention and Control (ECDC)
- Official government reports
- United Nations
- World Bank
- Global Burden of Disease

The live dataset can be found at [OurWorldinData.org](https://ourworldindata.org) and all data produced by Our World in Data are open access under the [Creative Commons BY license](#).

Project Workflow & Technology Blueprint for Dashboard

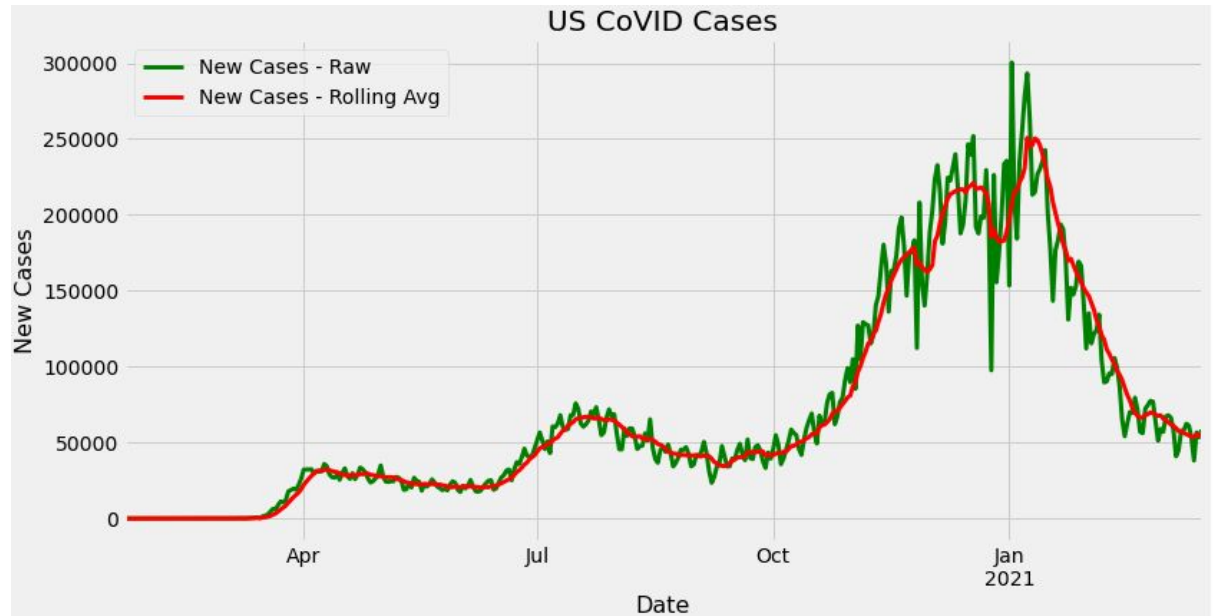


Plotting Data

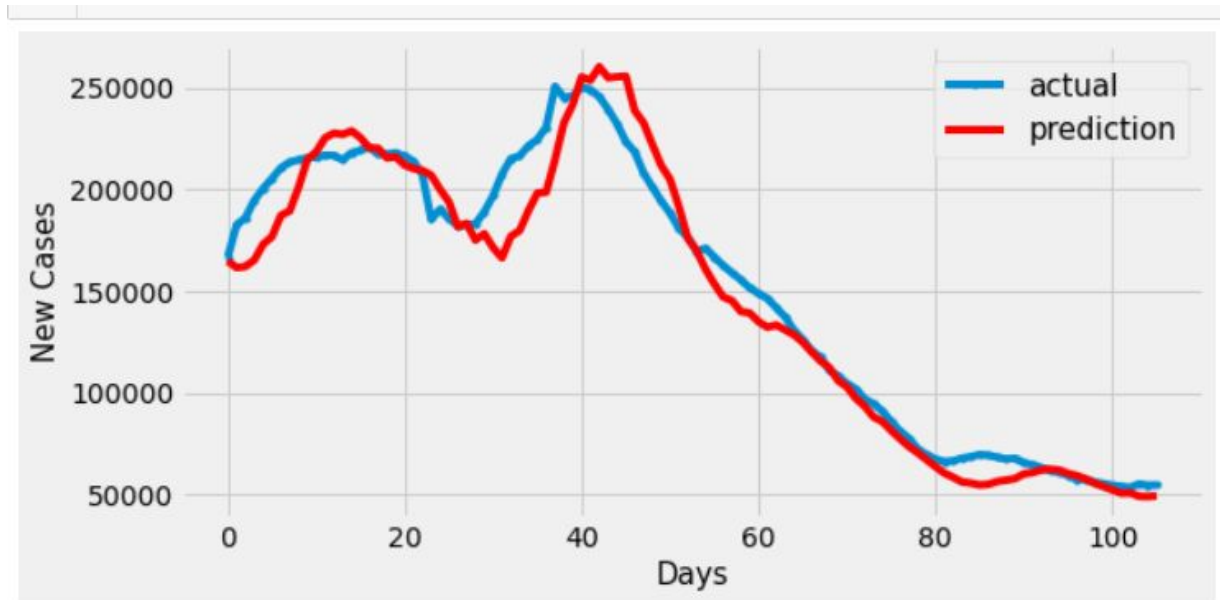
We noticed how statistical the data is.

Reasons why?

Rolling Avg to smooth

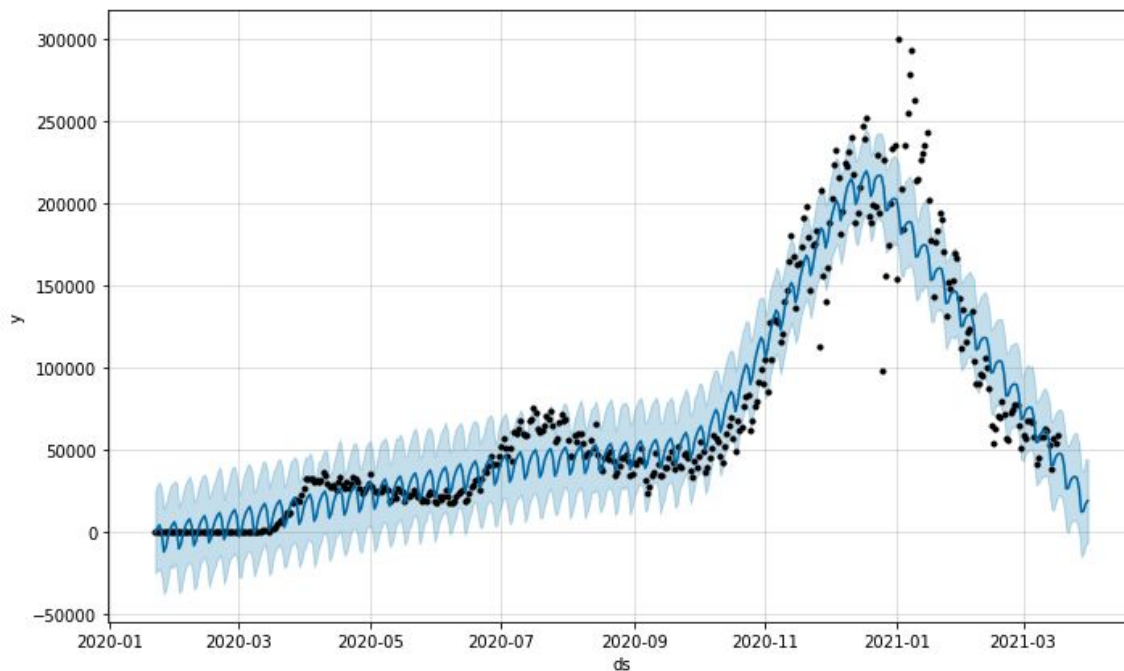


ARIMA Machine Learning Model



FB Prophet Model

Blue Line: Forecast from the
ML model predicting two
weeks into the future





Group 9 Website

<https://www.group9webpage.com/>

[Link to Site](#)