



Group 2

Dr. Mejias

ITSC 3155

Fall 2021

VisualizationLab- Part 3















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1. Complete code.

The web dashboard was created using **Flask** in **Python** and can be found at this Link:

<https://github.com/MurtadhaM/ITSC-3155/tree/main/Lab%20Activity/NEW%20BONUS%20TDD%20LAB>

I also included instructions on how to run the code and dependencies:

 database.pyc		2 minutes ago
 forms.pyc		2 minutes ago
 heatmap.py		2 minutes ago
 linechart.py		2 minutes ago
 models.py		2 minutes ago
 models.pyc		2 minutes ago
 multilinechart.py		2 minutes ago
 stackbar.py		2 minutes ago

README.md



Task	Framework
Step 1: dependancies installation	<code>pip3 install flask bcrypt pandas plotly wtforms flask_wtf flask_sqlalchemy email-validator</code>
Step 2: Setting The Environment	<code>export FLASK_APP=Travel_app.py</code> #Make sure you are in the same directory
Step 3: Starting the Application	<code>flask run</code>

Note: The app is setup to run on localhost port 5000 so to access the application:
in your browser type the following URL: <http://127.0.0.1:5000/>

2. Screenshots of all the visualizations include the following:

interactive barchart

barchart

stacked bar chart

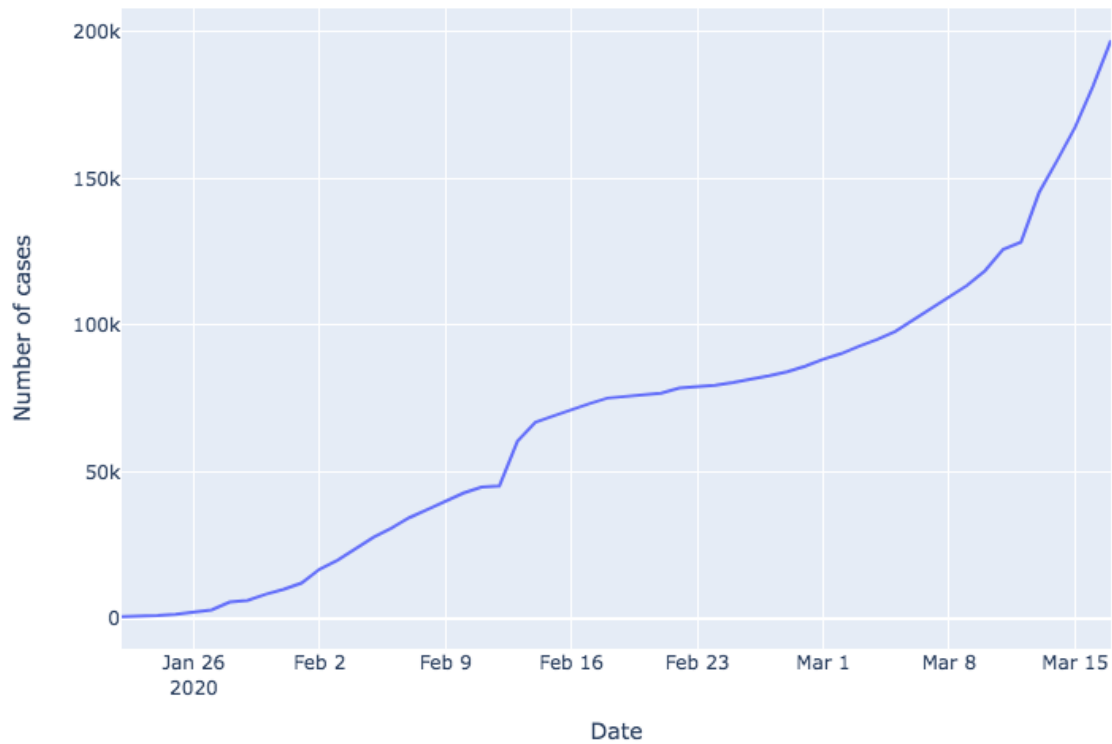
line-chart

multi line chart

bubble chart

heatmap

Corona Virus Confirmed Cases From 2020-01-22 to 2020-03-17



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a.

interactive barchart

barchart

stacked bar chart

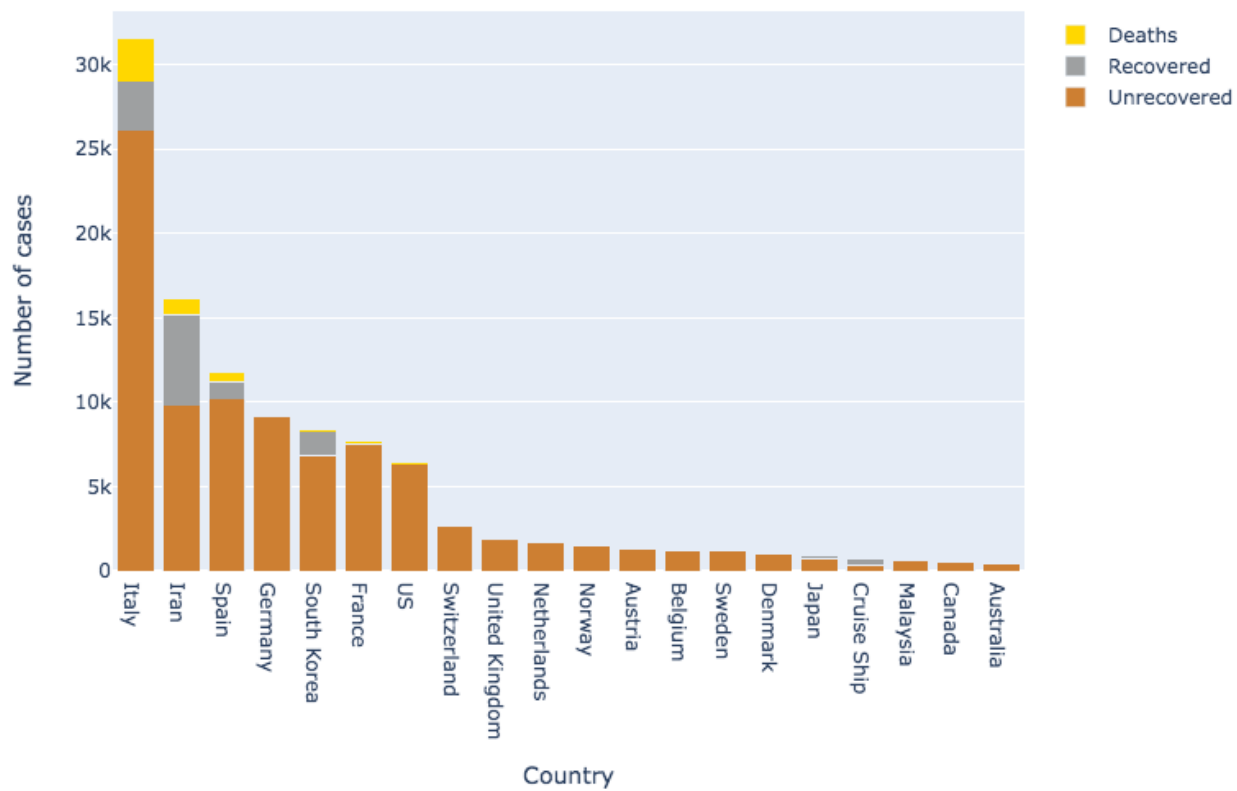
line-chart

multi line chart

bubble chart

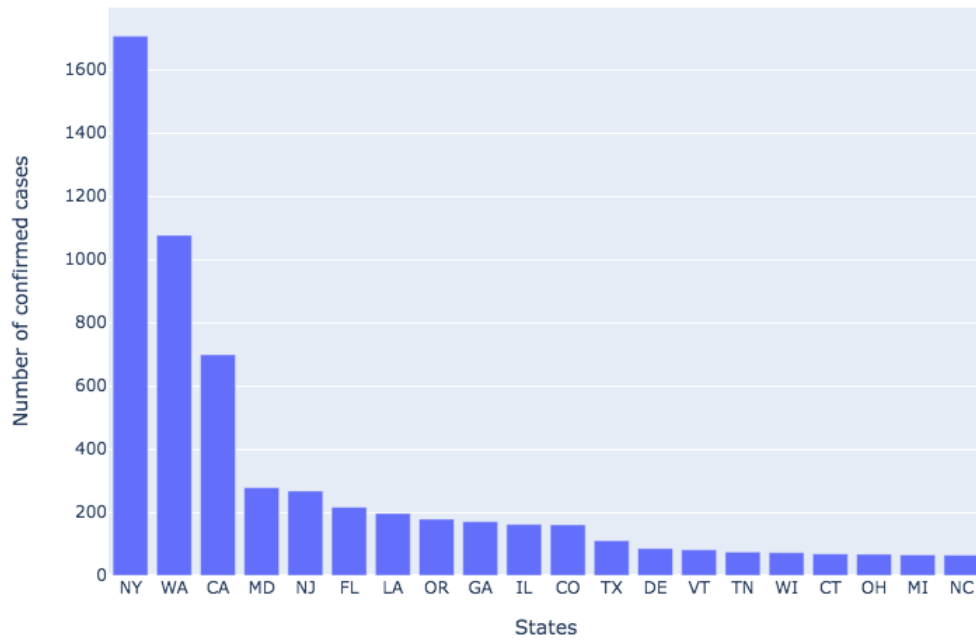
heatmap

Corona Virus Cases in the first 20 country expect China



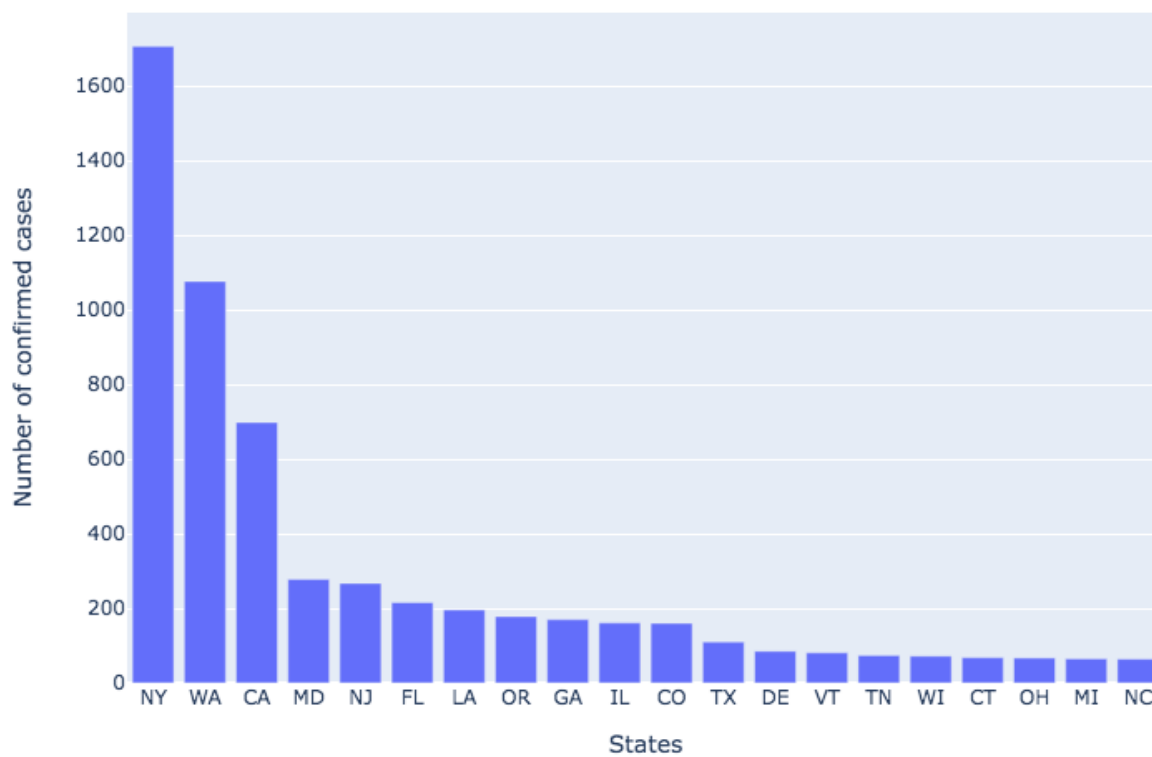
[interactive barchart](#)[barchart](#)[stacked bar chart](#)[line-chart](#)[multi line chart](#)[bubble chart](#)[heatmap](#)

Corona Virus Confirmed Cases in The US



[interactive barchart](#)[barchart](#)[stacked bar chart](#)[line-chart](#)[multi line chart](#)[bubble chart](#)[heatmap](#)

Corona Virus Confirmed Cases in The US



interactive barchart

barchart

stacked bar chart

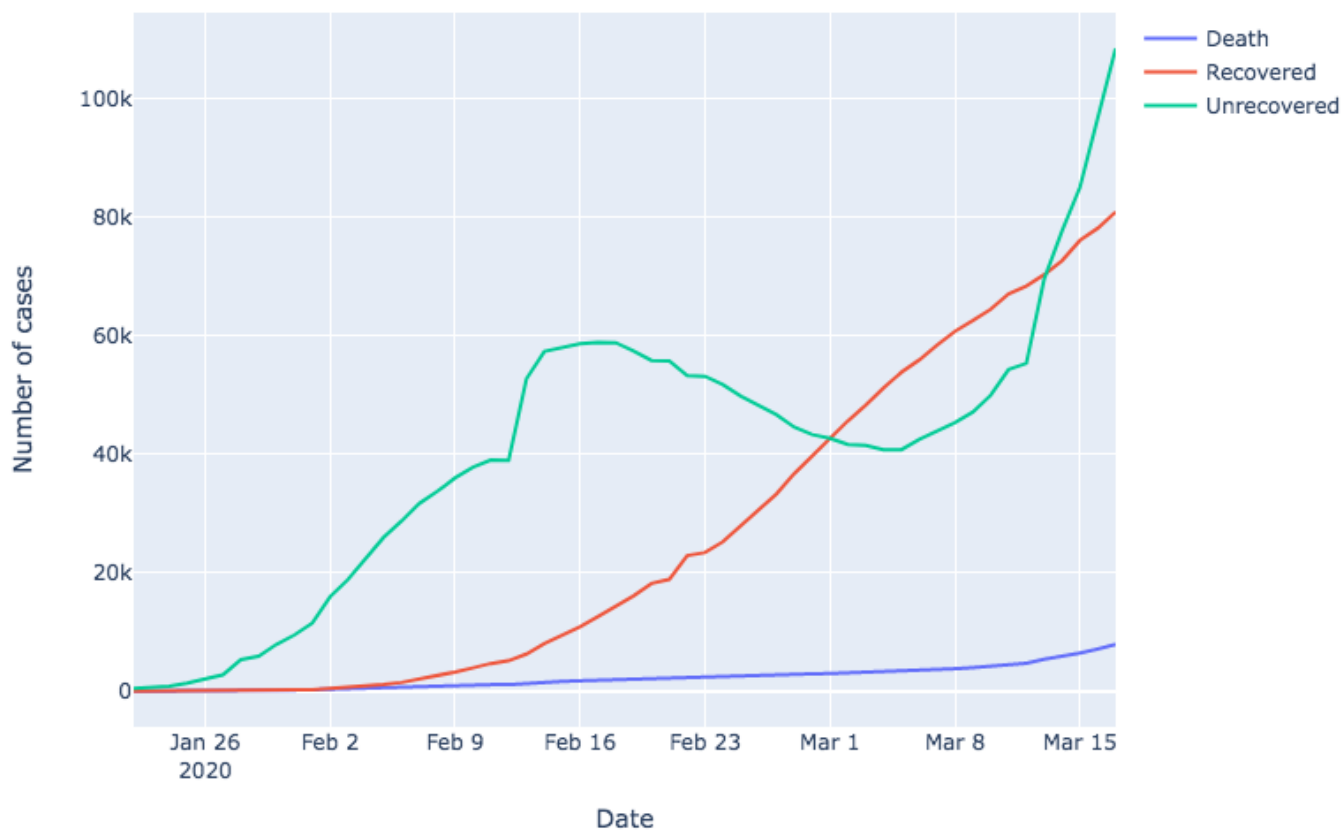
line-chart

multi line chart

bubble chart

heatmap

Corona Virus Death and Recovered Cases From 2020-01-22 to 2020-03-17



interactive barchart

barchart

stacked bar chart

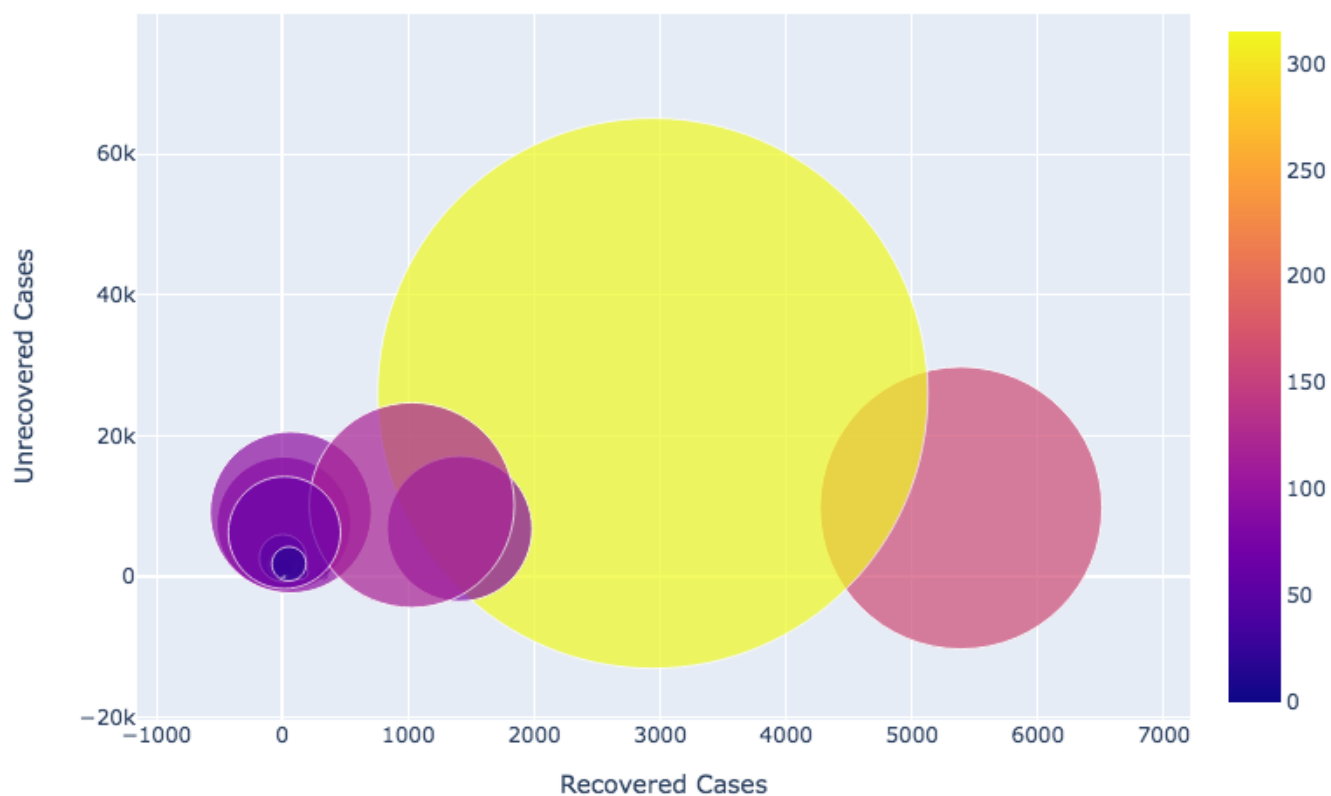
line-chart

multi line chart

bubble chart

heatmap

Corona Virus Confirmed Cases



interactive barchart

barchart

stacked bar chart

line-chart

multi line chart

bubble chart

heatmap

Cats killed Per Month

