

Covid-19 Data Dashboard

Partial results of the project

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Course: **Applied Data Science with Python**

Libraries:

```
import dash
from dash import dcc
from dash import html
from dash.dependencies import Input, Output
import plotly.express as px
from plotly import graph_objs as go
import pandas as pd
import numpy as np
from datetime import datetime
```

DataHandling:

Get csv File with all Covid-19 Data from repository with latest data

```
dataframeGlobal=pd.read_csv('https://raw.githubusercontent.com/owid/covid-19-data/master/public/data/owid-covid-data.csv')
```

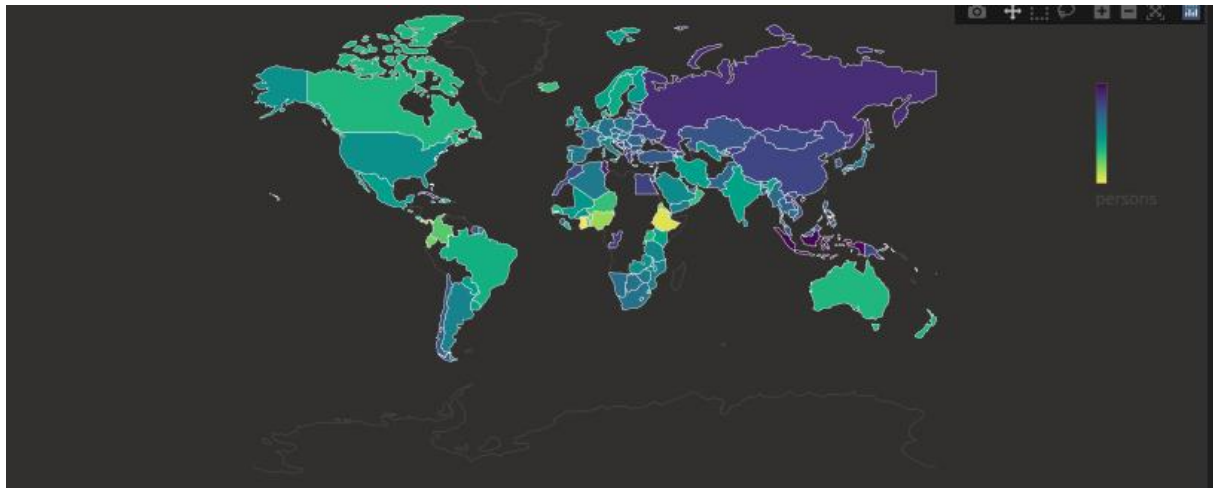
columns to show:

- location
- date
- total_cases_per_million
- total_deaths_per_million
- excess_mortality_cumulative_per_million
- people_fully_vaccinated_per_hundred

```
dataframeFiltered =
dataframeGlobal[dataframeGlobal.date.eq(selectedDate)]
```

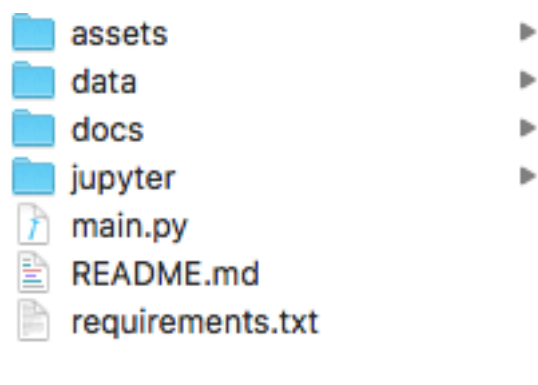
→ data filtered for specific date which is to be presented on map

```
worldmap = go.Choropleth()
```



GitHub Repository:

git folder structure:



<https://github.com/FabianHeu/DataScienceProject>

User Interface:

User Interface is based on plotly and dash

