Covid-19 Data Dashboard

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Course: **Applied Data Science with Python**

**Project description:**

Based on the Covid19 dataset from ‘Our World In Data’ (<https://ourworldindata.org>) I want to visualize the effects on all countries in the world.

The dataset has 44 columns and approx. 2 years of data. It starts from 2020-01-30 until 2021-11-13. I will compare this data to the data acquired in Germany. The vaccination data for Germany will be received from the Robert-Koch-Institut and the Department of Health.

Our World in Data:

<https://github.com/owid/covid-19-data/>

https://github.com/owid/covid-19-data/blob/master/public/data/README.md

**Files:**

**Goal:**

Compare the vaccination progress of the countries worldwide. Investigate and correlate the vaccination progress to new cases and deaths per million inhabitants. The results should be presented as a python dashboard.

**Algorithms:**

tba

**Tools:**

conda

Jupyter notebook

**modules:**

data handling & calculations: numpy

Visualization: mathplotlib

Data handling: pandas

Dashboard: dash

JSON Handling: json

**data structures:**

python dictionary

numpy array

pandas dataframe