Covid-19 deaths

By: Eman Hajji

TABLE OF CONTENTS

01 Introduction

02 Dataset

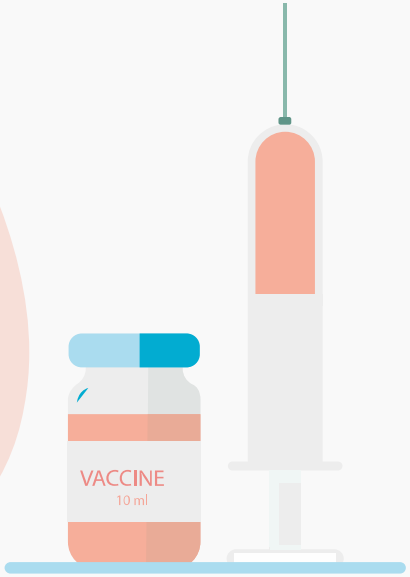
03 Tools

04 Data cleaning

05 Findings

06 conclusion

Introduction



Coronavirus is a family of viruses which threats the health of most people around the world. The coronavirus' crown-like spikes give the virus family its name. The first case of novel coronavirus, also known as SARS-CoV-2, was reported in Wuhan, China at the beginning of December 2019. This project aims to exploring COVID-19 deaths that happened in 2020-2021 through data analysis and projections.

Dataset

A dataset is a series of data files that contain country , region , covid-19 deaths , non-cvid19 deaths , start_date , population, expected deaths , excess_deaths , year . Data was collected during 2020-2021. The form includes 11715 rows and 15 columns.

Tools

01

Numpy

02

Pandas

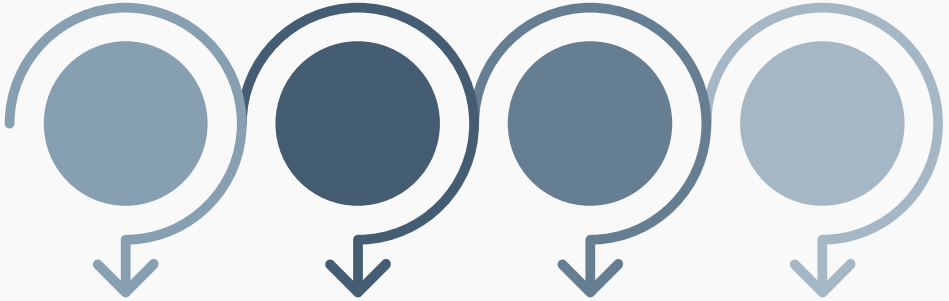
03

Seaborn

04

Matplotlib

Data cleaning



Find missing values

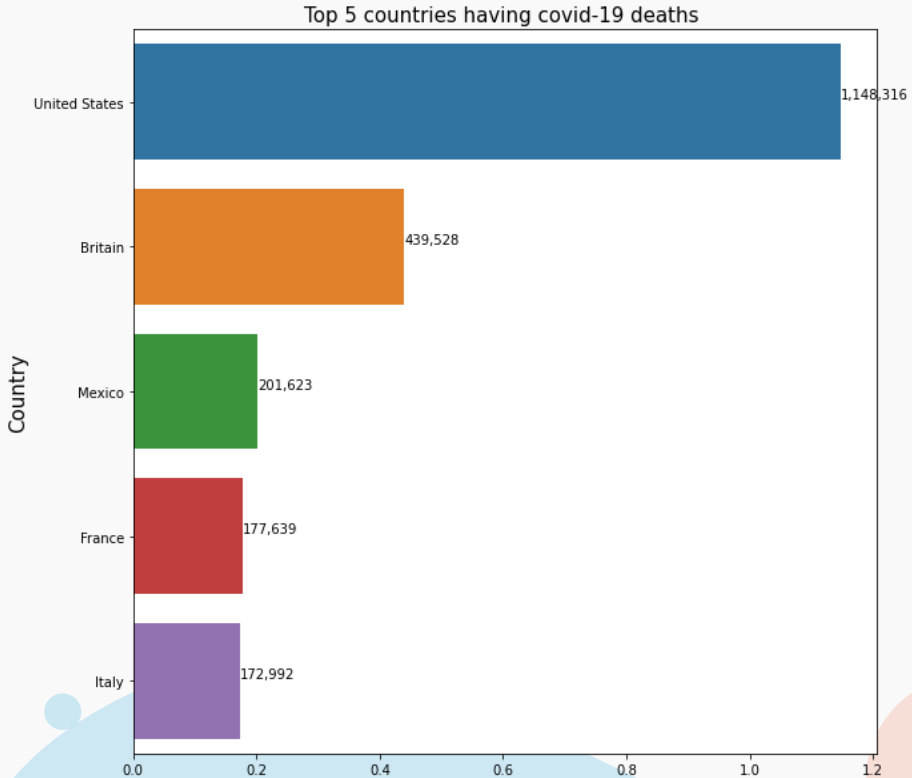
Find duplicate

Find the outliers

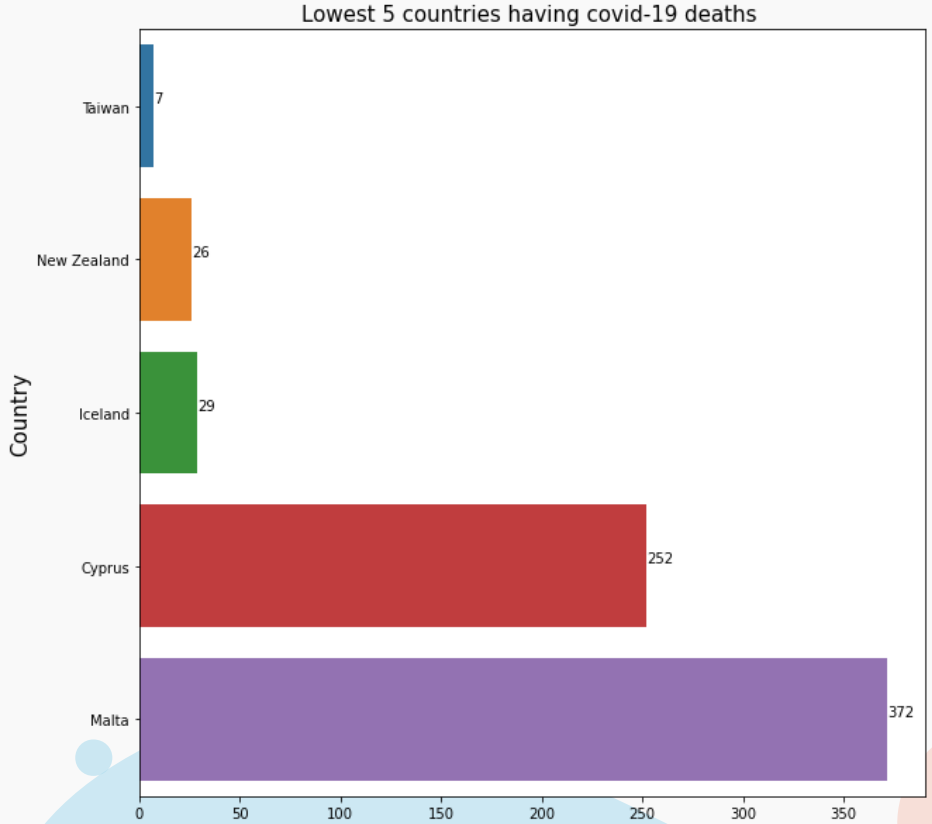
Fix columns

Findings

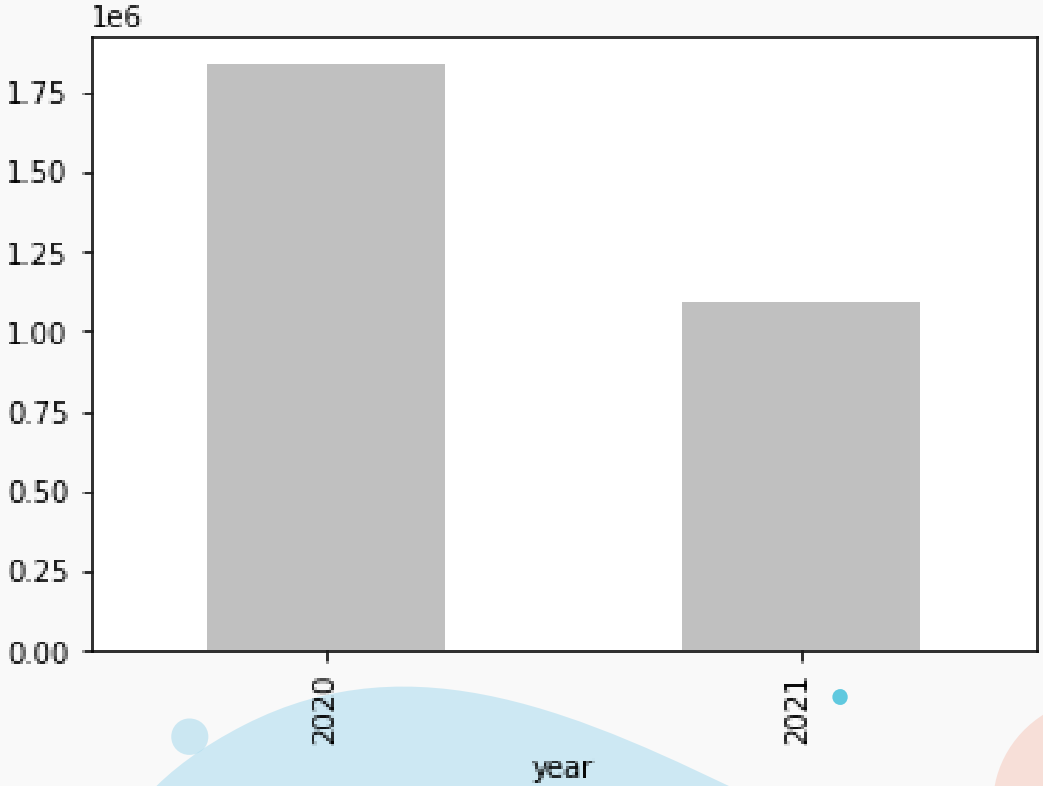
What are the highest 5 countries have COVID-19 deaths number in 2020-2021?



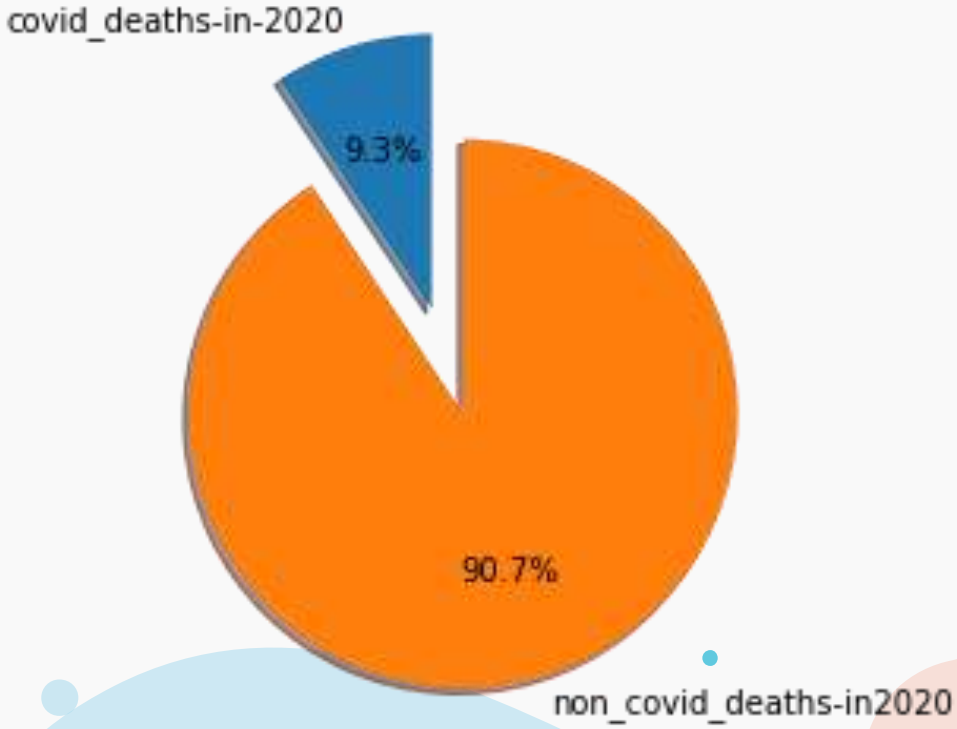
- What are the lowest 5 countries have COVID-19 deaths number in 2020-2021?

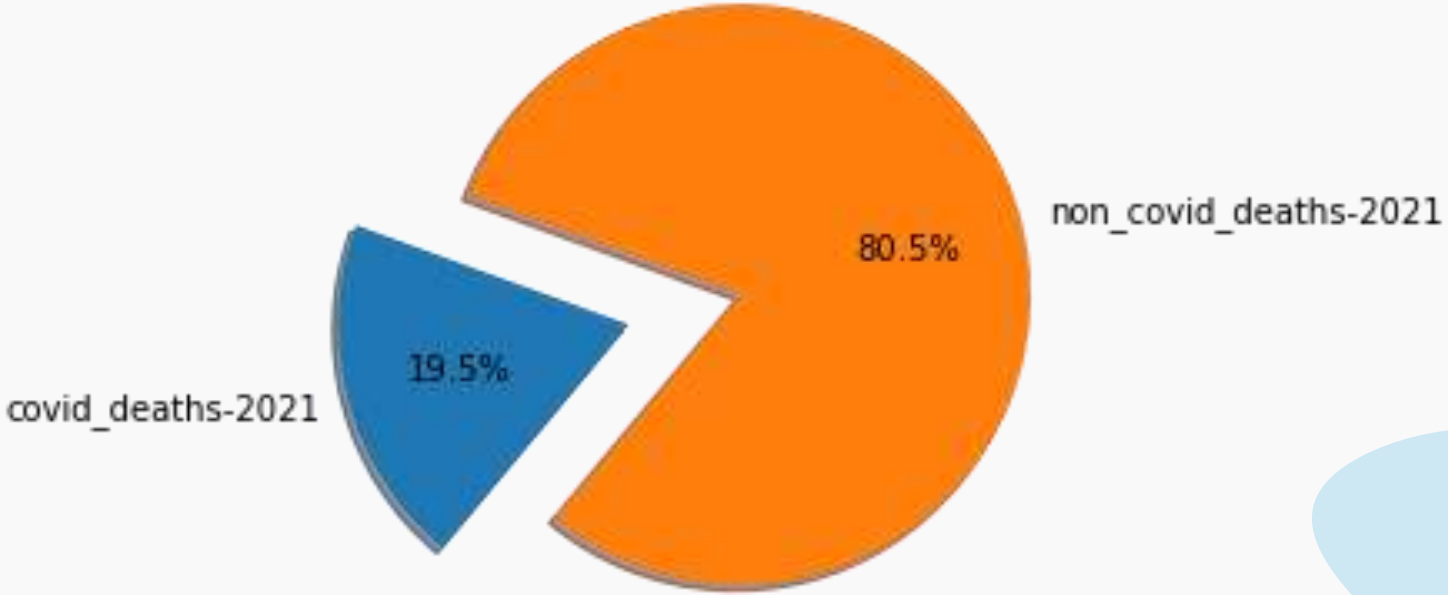


In which year did covid-19 deaths rise up?

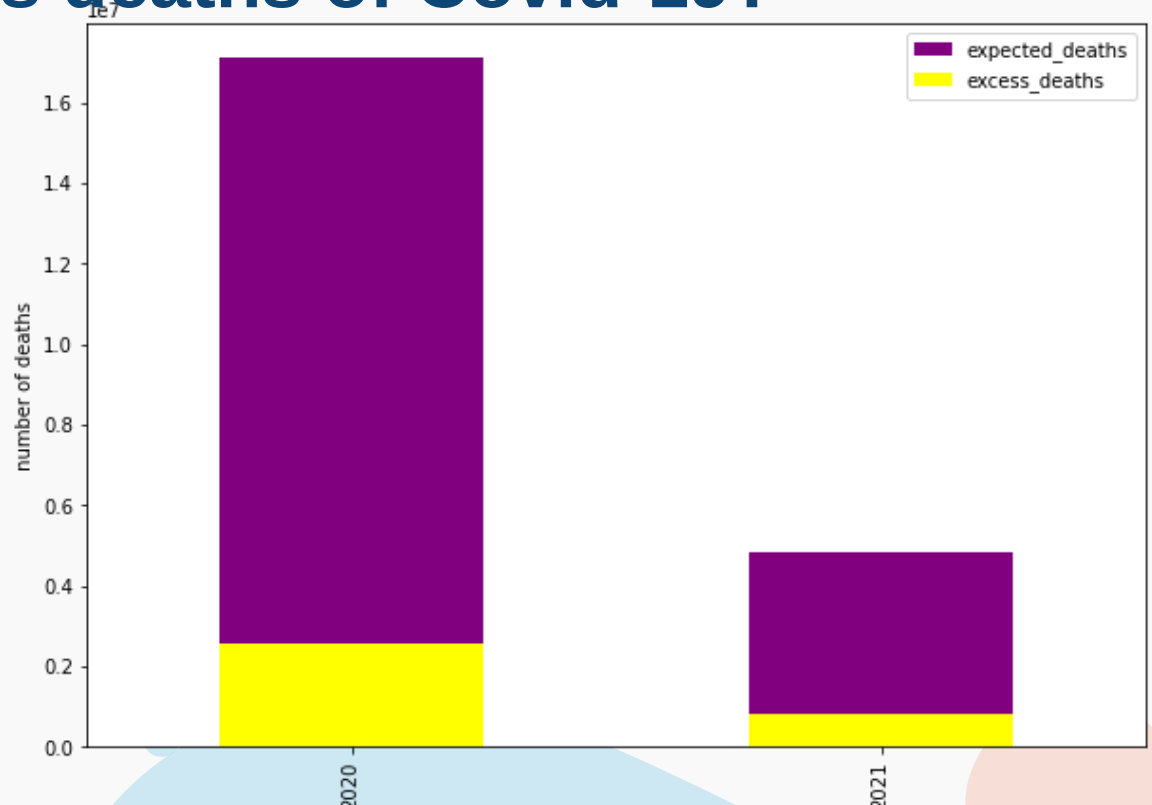


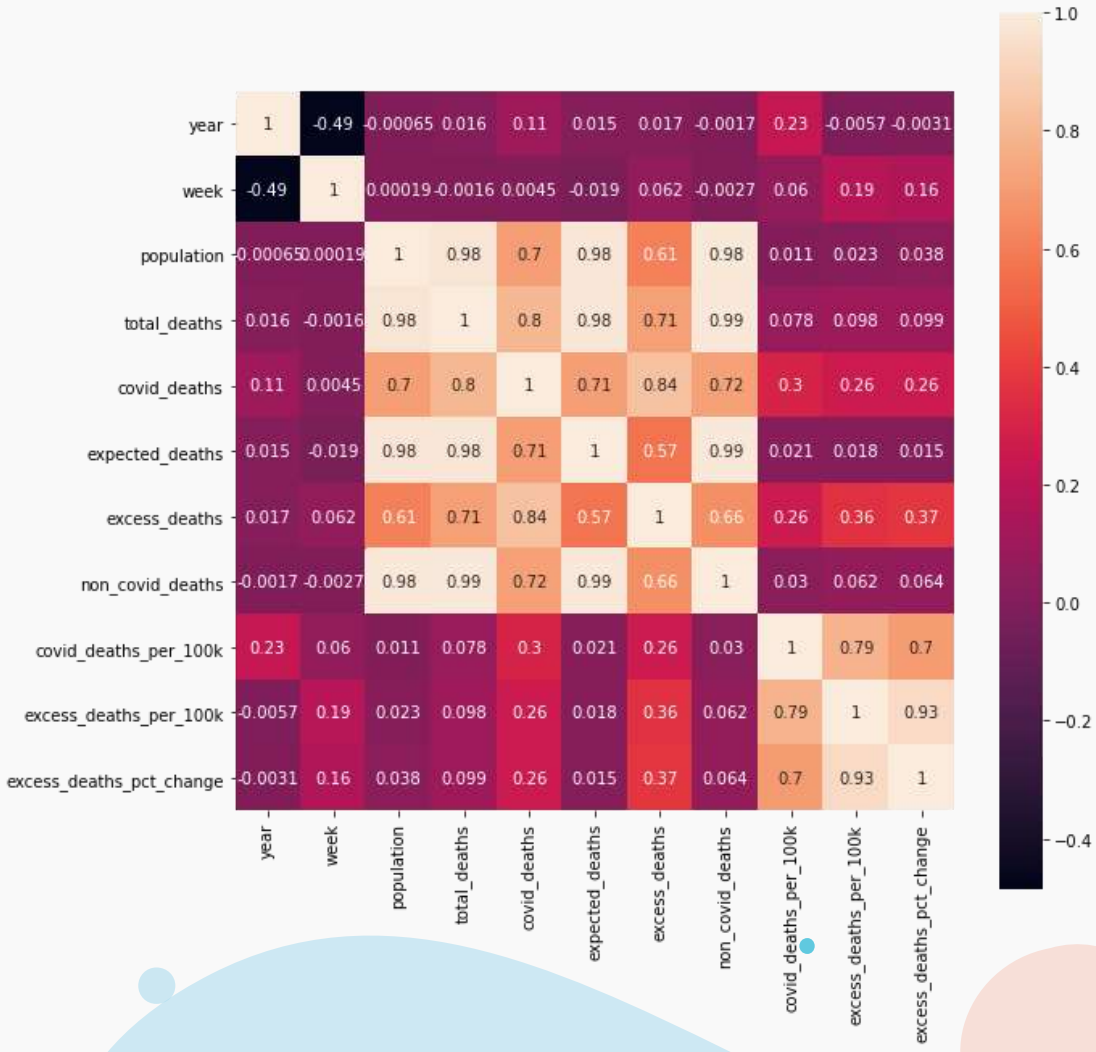
What are the percentage of covid-19 deaths and non- covid-19 deaths in 2020- 2021?




non_covid_deaths-2021
80.5%
19.5%
covid_deaths-2021

compare between expected deaths and excess deaths of Covid-19?




year 1 -0.49 -0.00065 0.016 0.11 0.015 0.017 -0.0017 0.23 -0.0057 -0.0031
week -0.49 1 0.00019 -0.0016 0.0045 -0.019 0.062 -0.0027 0.06 0.19 0.16
population -0.00065 0.00019 1 0.98 0.7 0.98 0.61 0.98 0.011 0.023 0.038
total_deaths 0.016 -0.0016 0.98 1 0.8 0.98 0.71 0.99 0.078 0.098 0.099
covid_deaths 0.11 0.0045 0.7 0.8 1 0.71 0.84 0.72 0.3 0.26 0.26
expected_deaths 0.015 -0.019 0.98 0.98 0.71 1 0.57 0.99 0.021 0.018 0.015
excess_deaths 0.017 0.062 0.61 0.71 0.84 0.57 1 0.66 0.26 0.36 0.37
non_covid_deaths -0.0017 -0.0027 0.98 0.99 0.72 0.99 0.66 1 0.03 0.062 0.064
covid_deaths_per_100k 0.23 0.06 0.011 0.078 0.3 0.021 0.26 0.03 1 0.79 0.7
excess_deaths_per_100k -0.0057 0.19 0.023 0.098 0.26 0.018 0.36 0.062 0.79 1 0.93
excess_deaths_pct_change -0.0031 0.16 0.038 0.099 0.26 0.015 0.37 0.064 0.7 0.93 1
year
week
population
total_deaths
covid_deaths
expected_deaths
excess_deaths
non_covid_deaths
covid_deaths_per_100k
excess_deaths_per_100k
excess_deaths_pct_change
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4

THANKS!

Do you have any questions?

CREDITS: This presentation template was created by Slidesgo, including icons by Flaticon, infographics & images by Freepik and illustrations by Stories