

WELCOME TO **FLYING WITH CORONA**

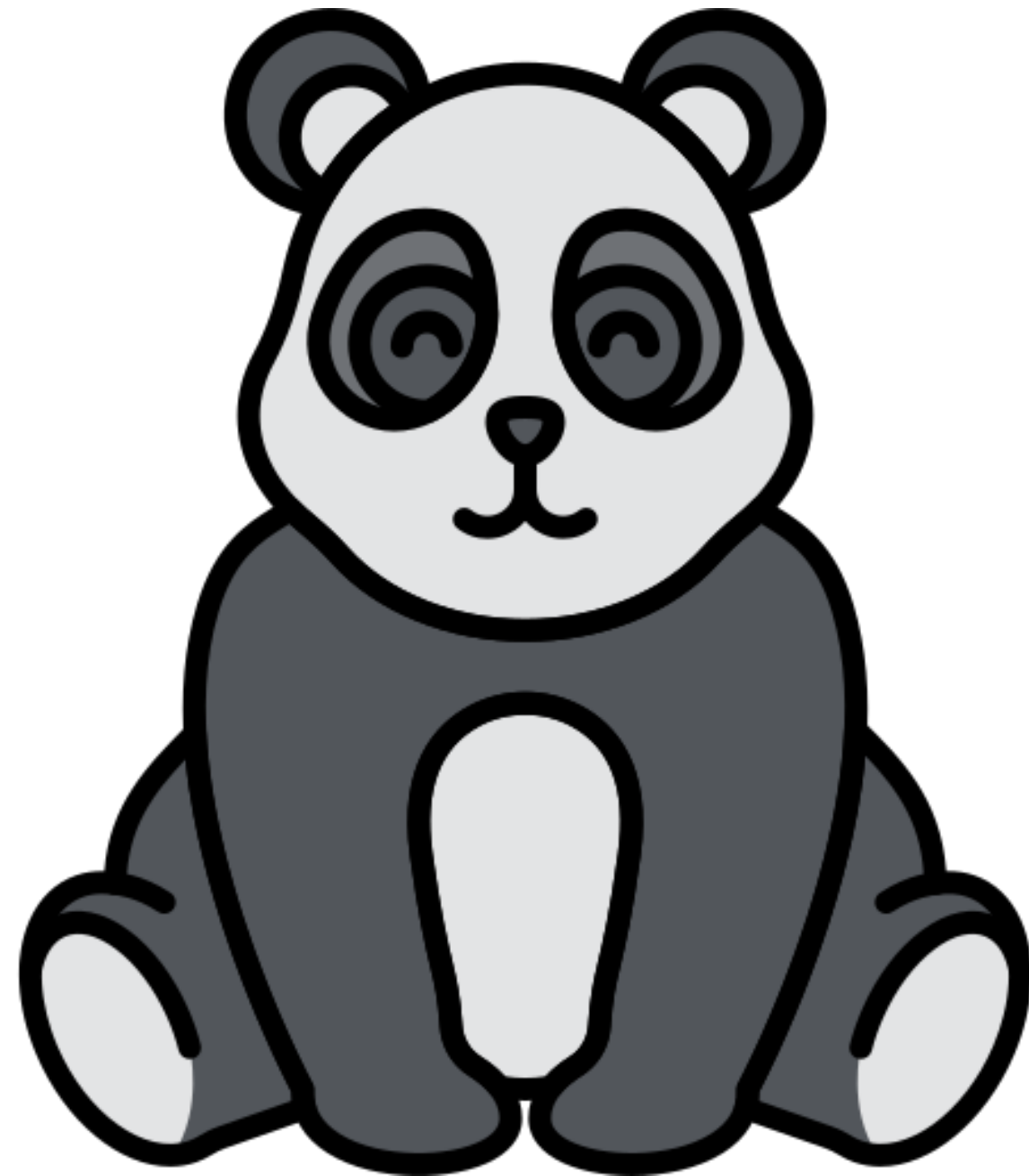
How corona changed the world!

DEVELOPED BY

Shelley Obery, Kyrian Bourgi &
Mikki Seidenschnur



THE PANDAS TEAM



Kyrian Bourgi

“Let’s do something financial!”



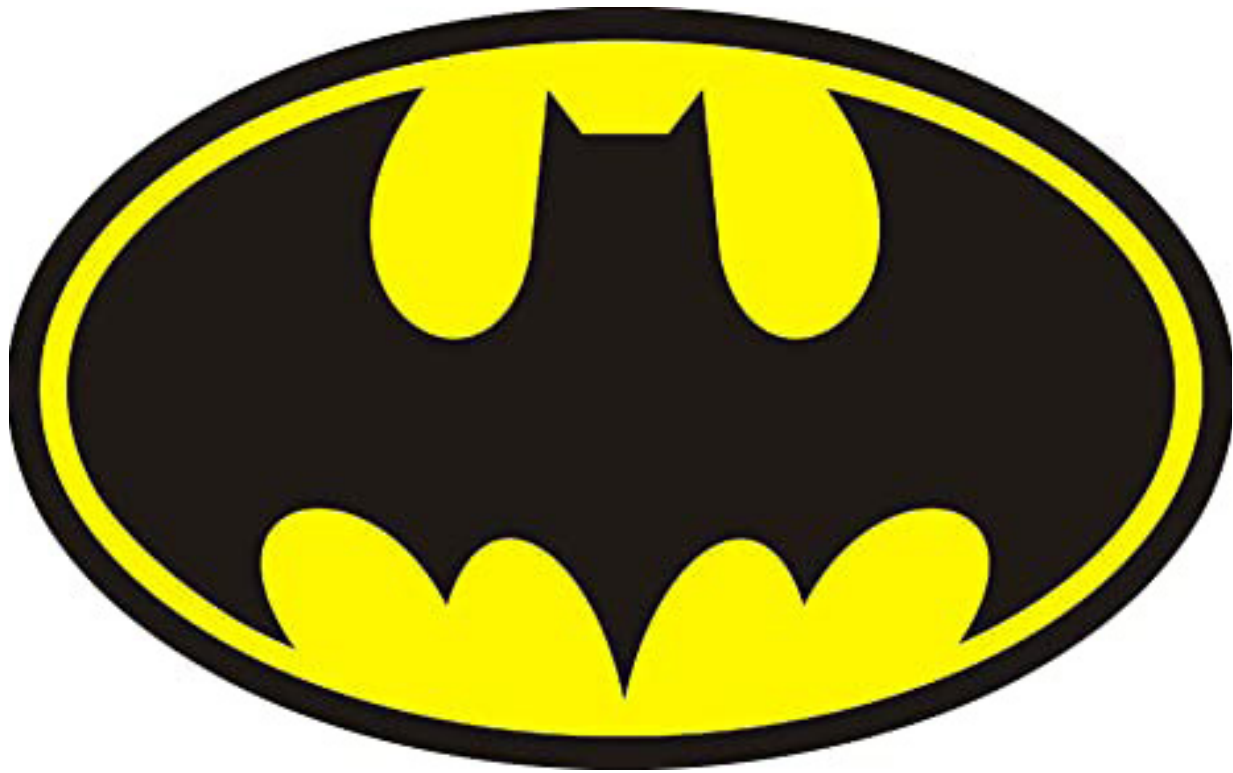
Shelley Obery

“It’s all good, but let’s save the analysis for later”



Mikki Seidenschnur

“It’s all about the story!”

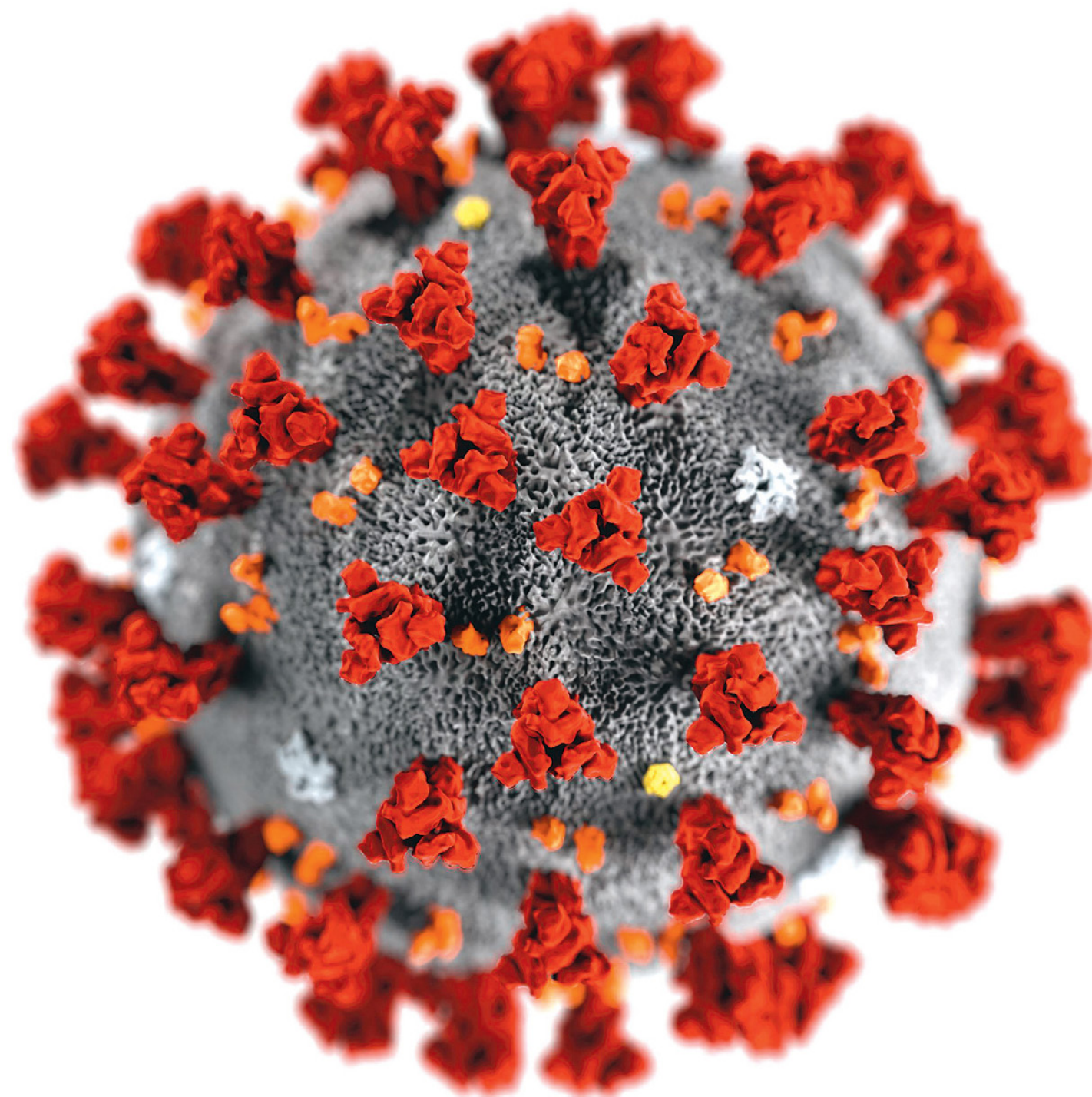


+



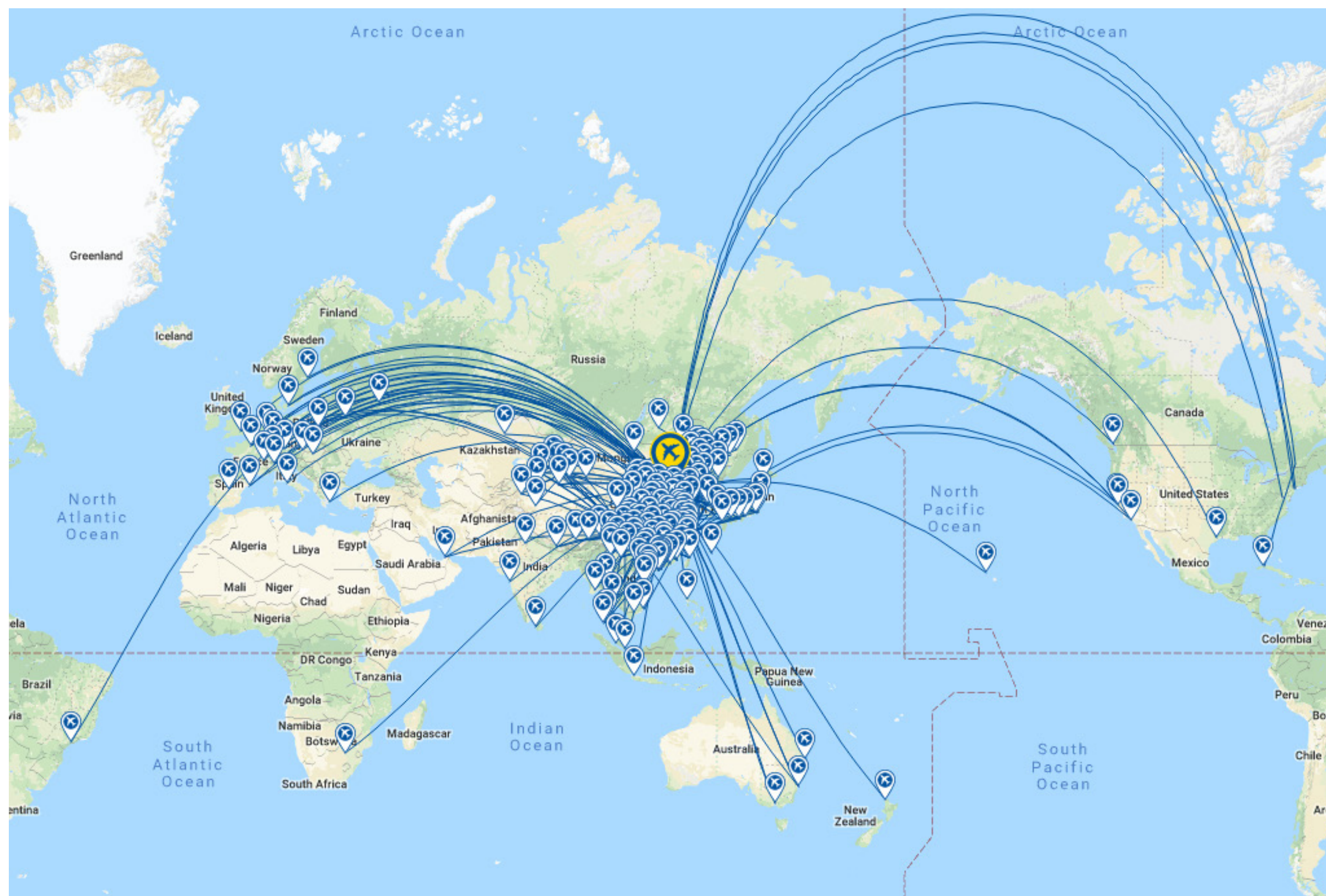


INTRODUCTION





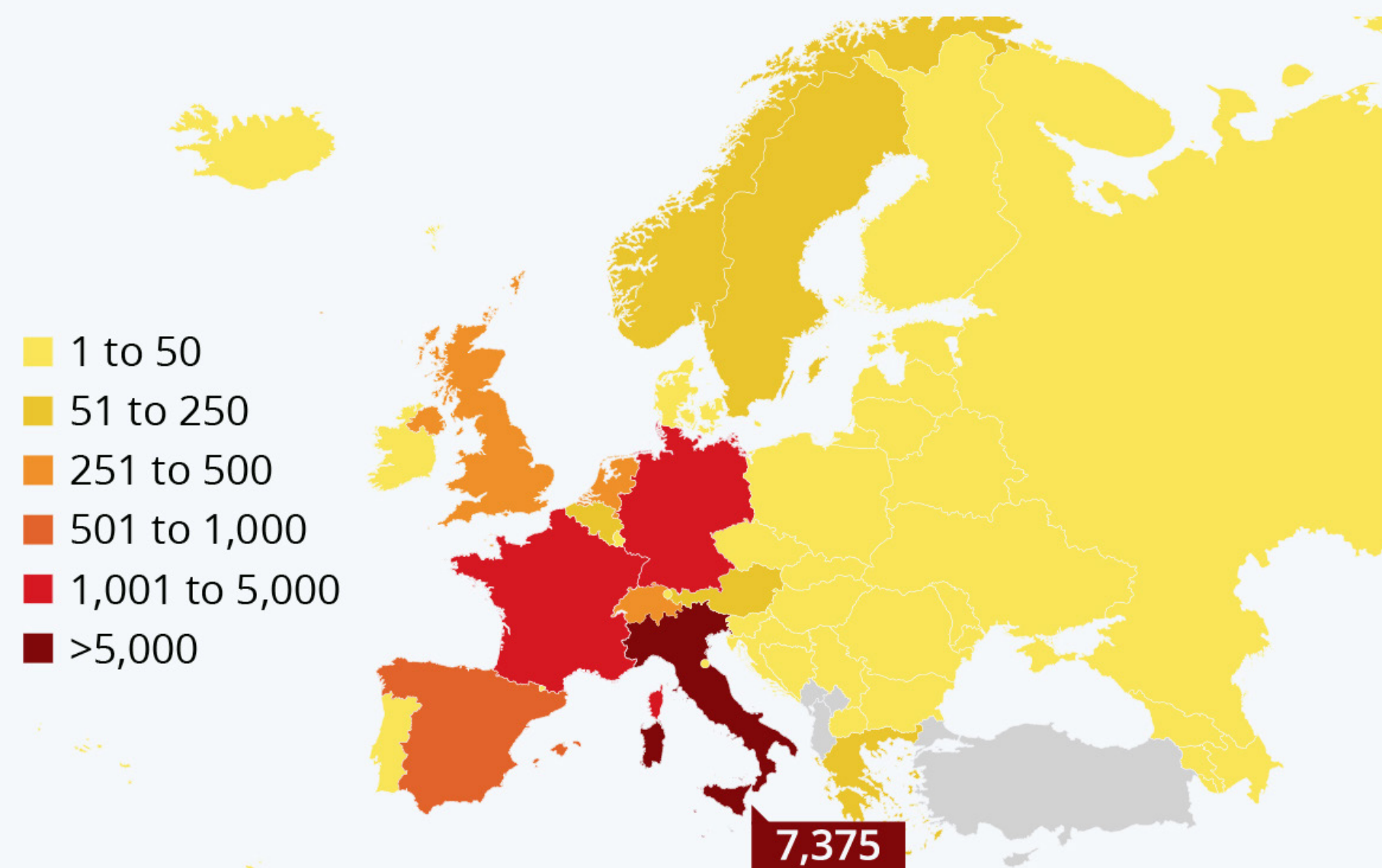
INTRODUCTION





The Coronavirus in Europe

Confirmed cases of the COVID-19 coronavirus in Europe*



* As of 9 March 2020 at 08:30 CET

Source: Johns Hopkins University

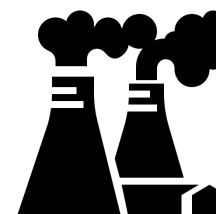
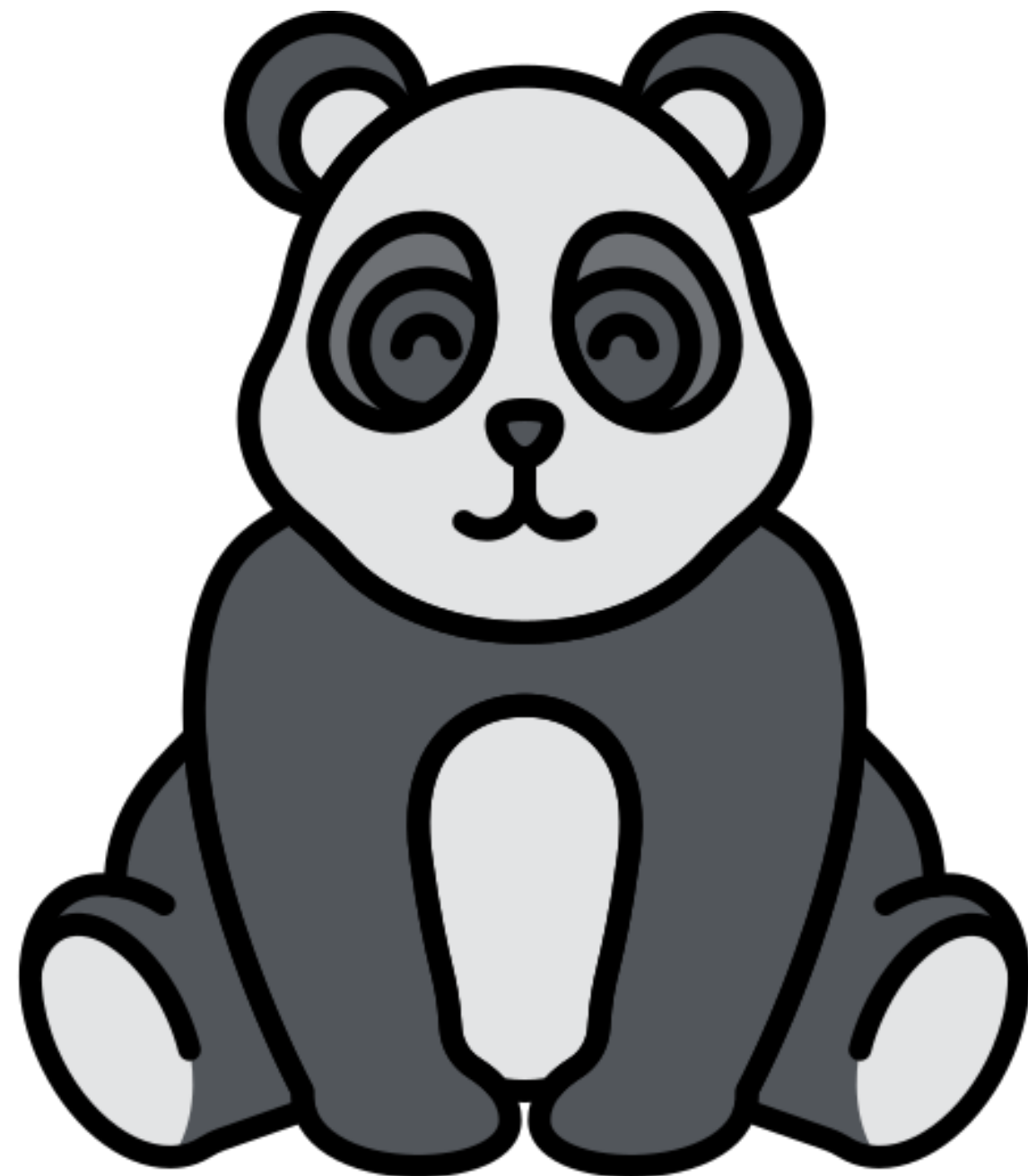


March 23 2020 most of europe reintroduced
border control



**CORONA VIRUS HAS SEVERELY IMPACTED
THE GLOBALIZED WORLD THAT WE LIVE IN!**

DATA SOURCES



World pollution data

Source: <https://aqicn.org/api/>

Type: API



Flight data

Source: www.flightradar24.com/data

Type: Downloadable CSV file



Cryptocurrency

Source: www.coingecko.com/api

Source: <https://exchangeratesapi.io/>

Type: API

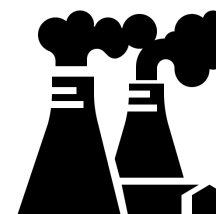
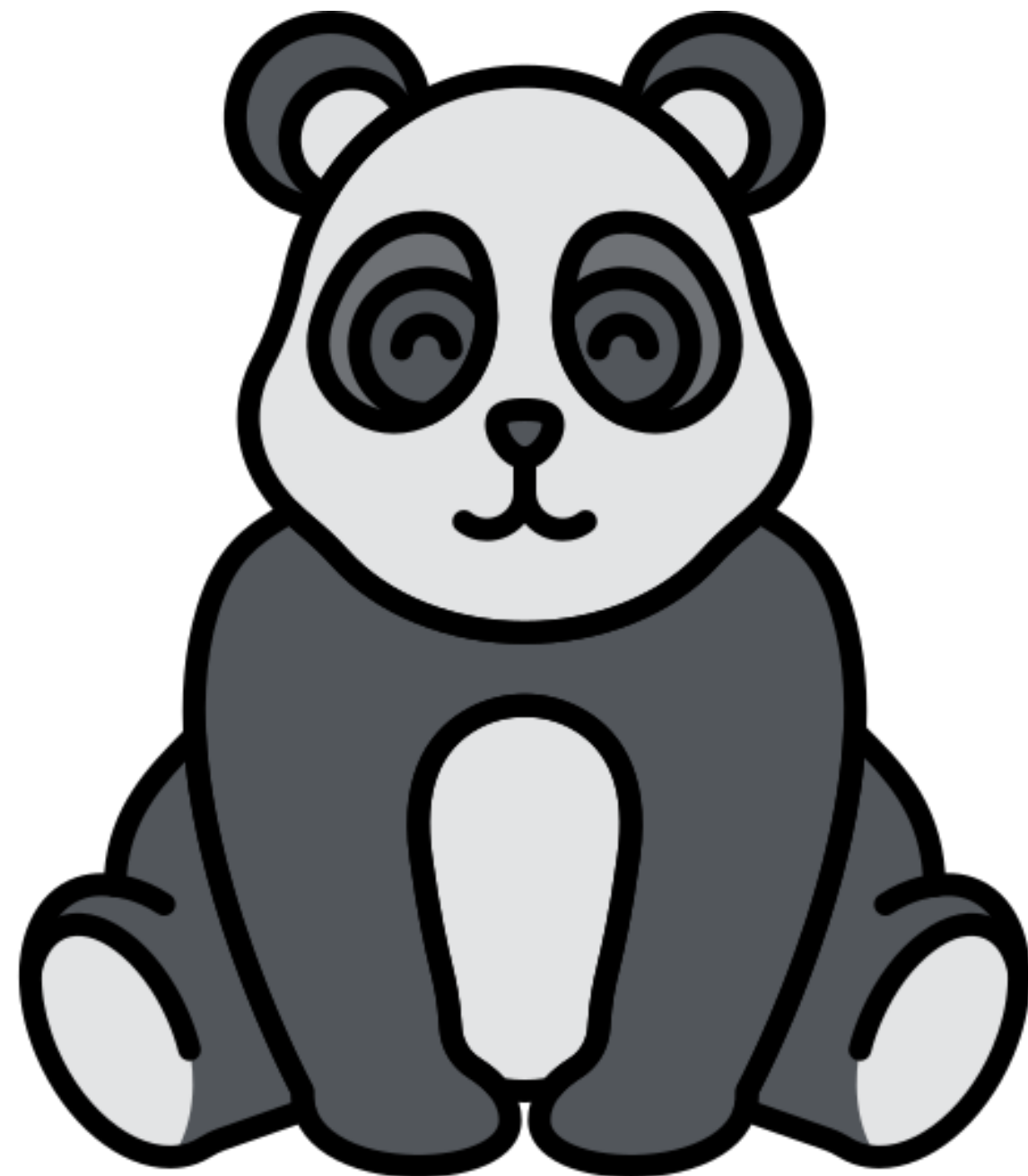


“Zoom” market value

Source: finance.yahoo.com/quote/api

Type: API

TECHNICAL CHALLENGES



World pollution data
*How to make rows columns and
filter data on dates and city*



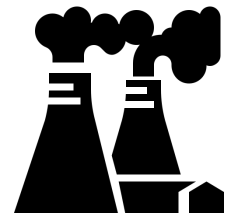
Flight data
*Source: www.flightradar24.com/data
Type: Downloadable CSV file*



Cryptocurrency
*How to compare cryptocurrency with
different country currencies*

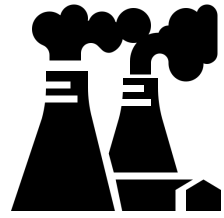


“Zoom” market value
*Source: finance.yahoo.com/quote/api
Type: API*



POLLUTION DATA - MAKING ROWS COLUMNS

	Date	Country	City	Specie	Median (PPM)
0	2019-01-16	AE	Abu Dhabi	PM10	85
1	2019-01-22	AE	Abu Dhabi	PM10	20
2	2019-01-26	AE	Abu Dhabi	PM10	38
3	2019-01-07	AE	Abu Dhabi	PM10	69
4	2019-01-10	AE	Abu Dhabi	PM10	23
5	2019-01-16	AE	Abu Dhabi	PM2.5	123
6	2019-01-22	AE	Abu Dhabi	PM2.5	232
7	2019-01-26	AE	Abu Dhabi	PM2.5	111
8	2019-01-07	AE	Abu Dhabi	PM2.5	42
9	2019-01-10	AE	Abu Dhabi	PM2.5	102
10	2019-01-16	AE	Abu Dhabi	NO2	40
11	2019-01-22	AE	Abu Dhabi	NO2	21
12	2019-01-26	AE	Abu Dhabi	NO2	34
13	2019-01-07	AE	Abu Dhabi	NO2	23
...
491156	2019-01-16	RS	Belgrade	CO	12
491157	2019-01-22	RS	Belgrade	CO	23
491158	2019-01-26	RS	Belgrade	CO	5
491159	2019-01-07	RS	Belgrade	CO	2

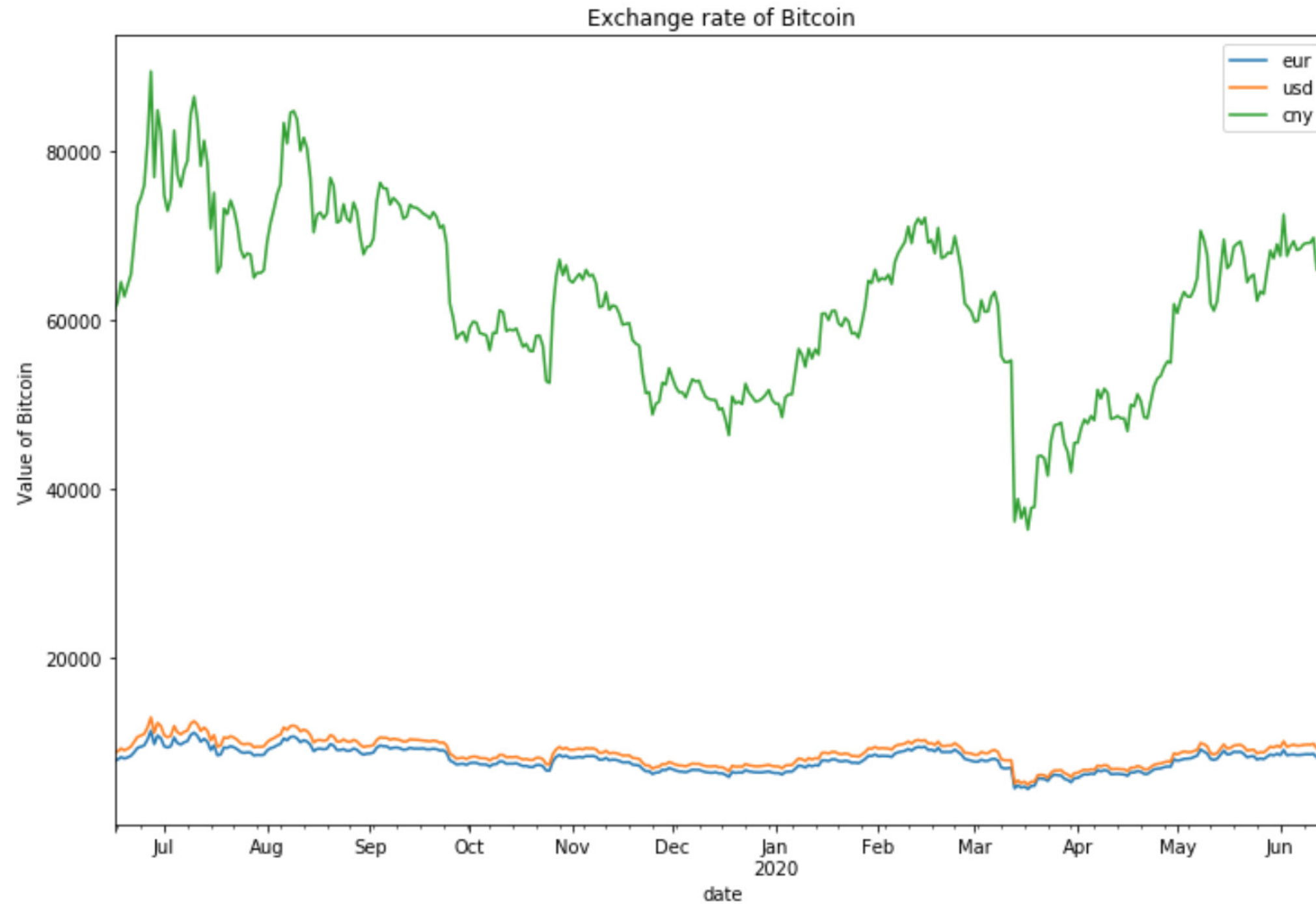


POLLUTION DATA - MAKING ROWS COLUMNS

	Date	Country	City	Specie	Median (PPM)		Abu Dhabi	Date	PM10	PM2.5	NO2	CO
0	2019-01-16	AE	Abu Dhabi	PM10	85		0	2019-01-16	85	123	40	12
1	2019-01-22	AE	Abu Dhabi	PM10	20		1	2019-01-22	20	232	21	23
2	2019-01-26	AE	Abu Dhabi	PM10	38		2	2019-01-26	38	111	34	5
3	2019-01-07	AE	Abu Dhabi	PM10	69		3	2019-01-07	69	42	23	2
4	2019-01-10	AE	Abu Dhabi	PM10	23		4	2019-01-10	23	102	20	12
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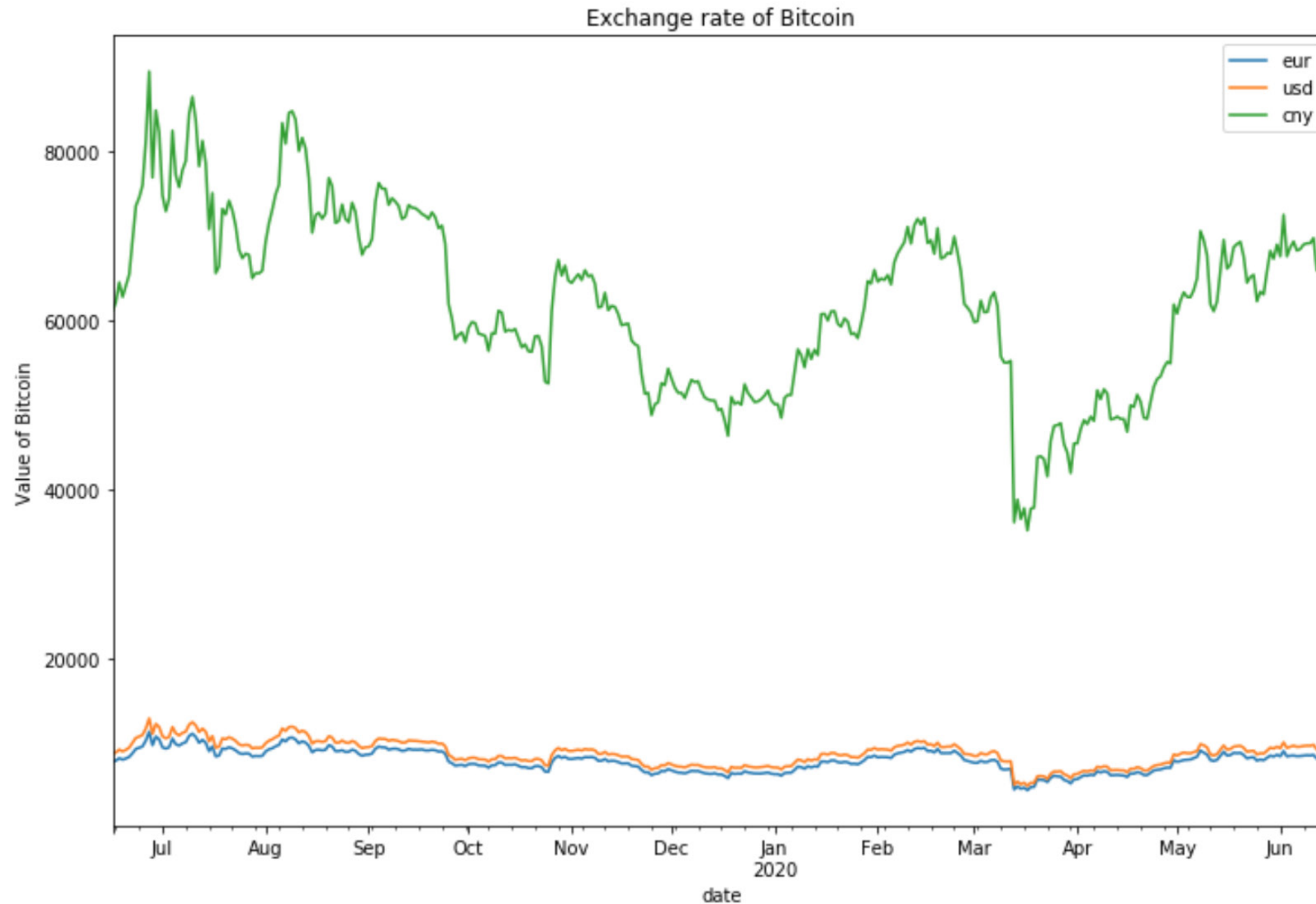


CRYPTOCURRENCY - VISUAL COMPARISON



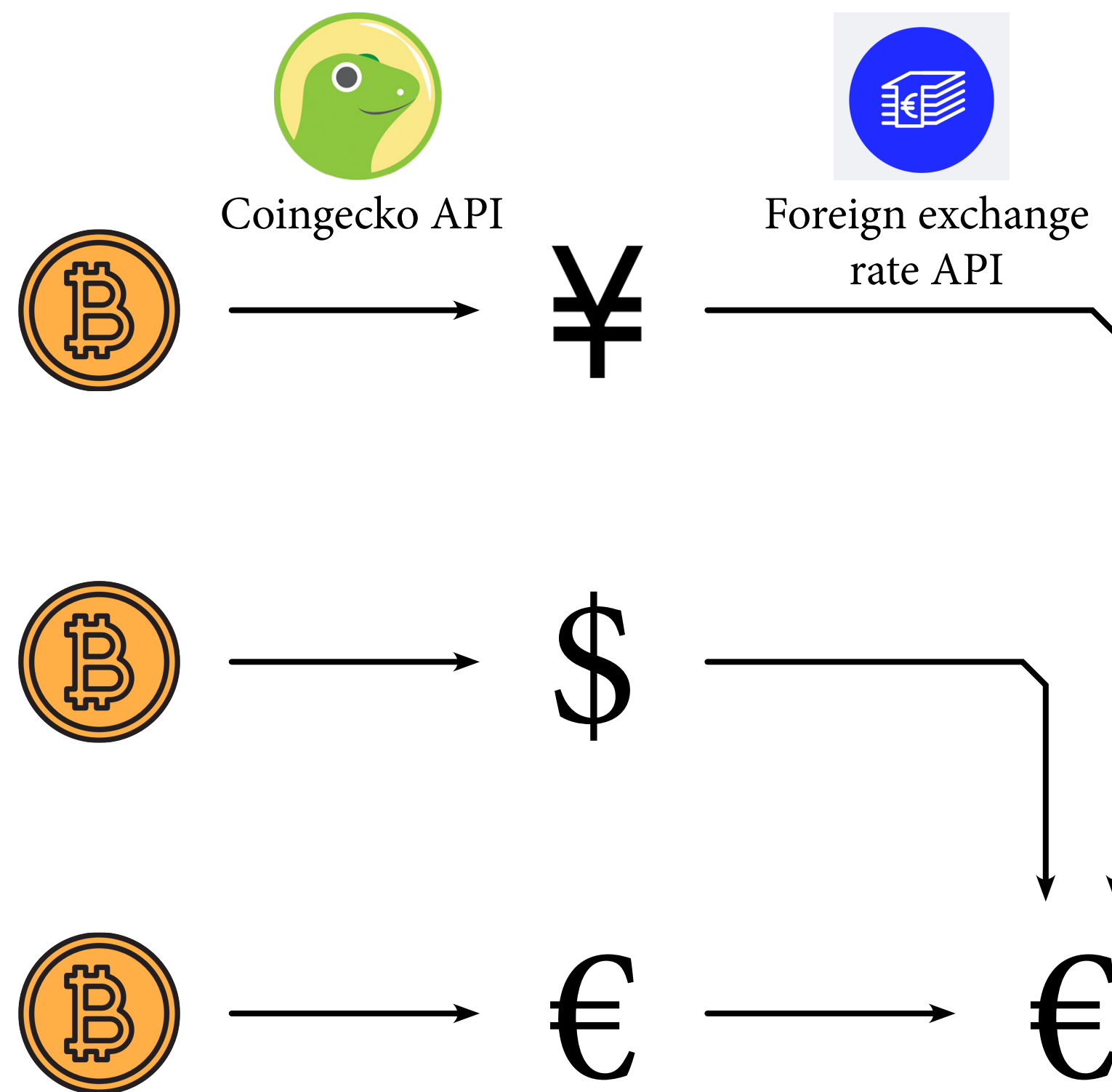


CRYPTOCURRENCY - VISUAL COMPARISON



Visual comparison is next to impossible!

Does it follow the same trend?





CRYPTOCURRENCY - VISUAL COMPARISON

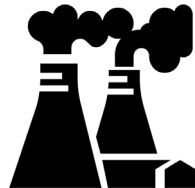
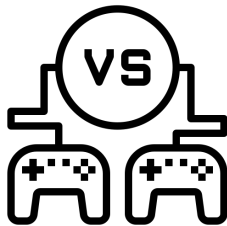




ANALYSIS



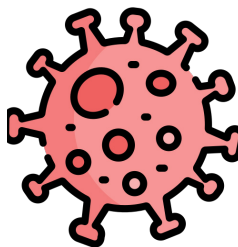
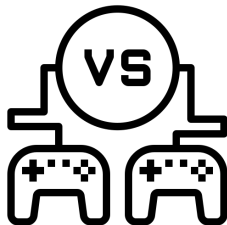
Flight data



Pollution data



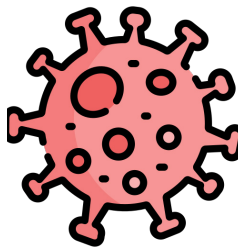
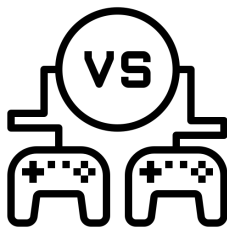
Zoom price



Corona
lockdown



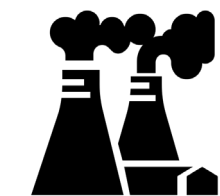
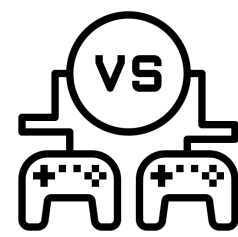
Cryptocoins



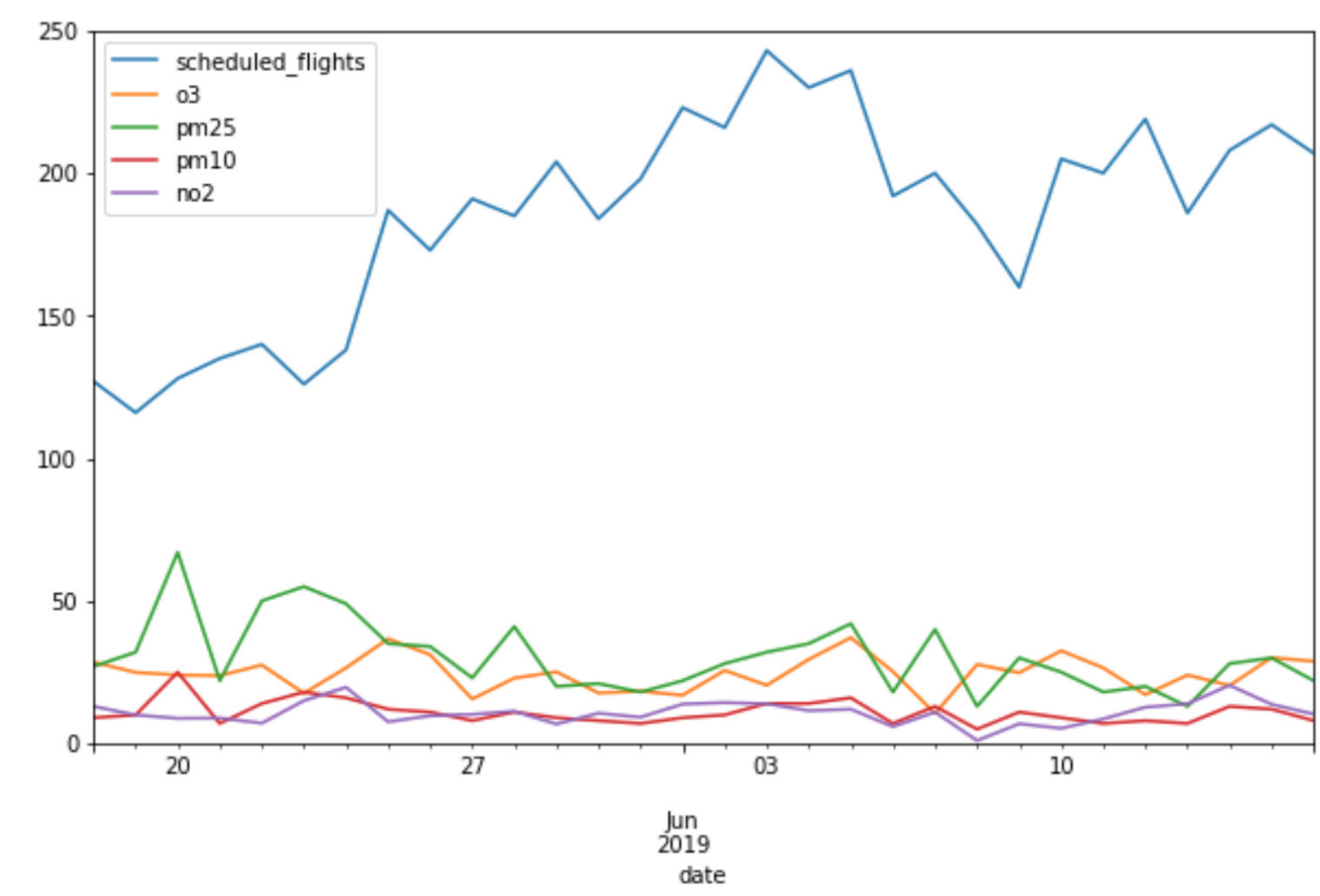
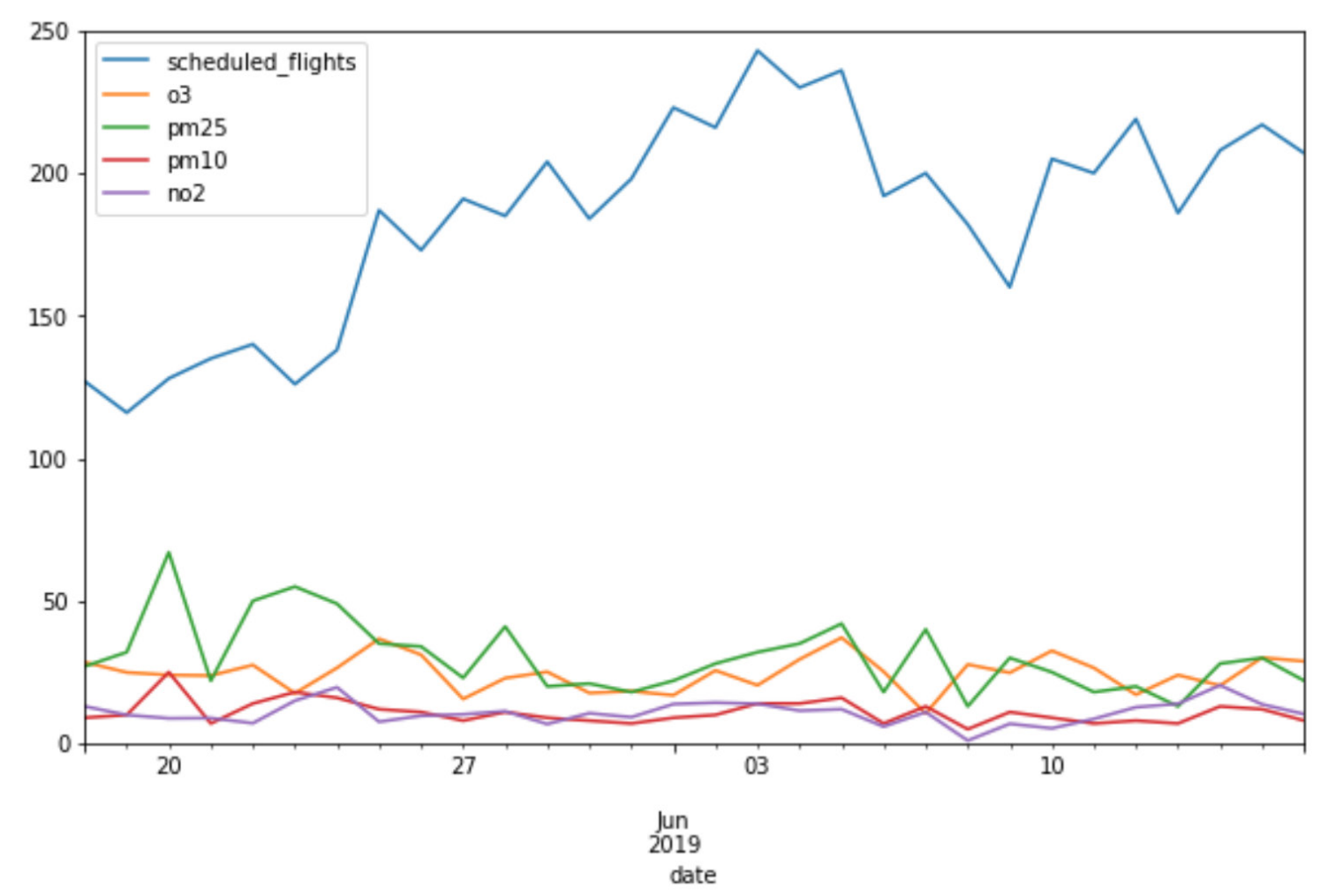
Corona
lockdown



Flight data



Pollution data

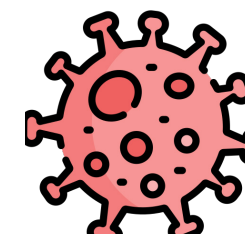
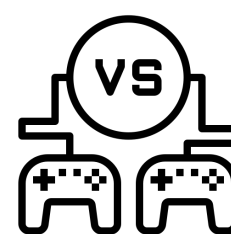




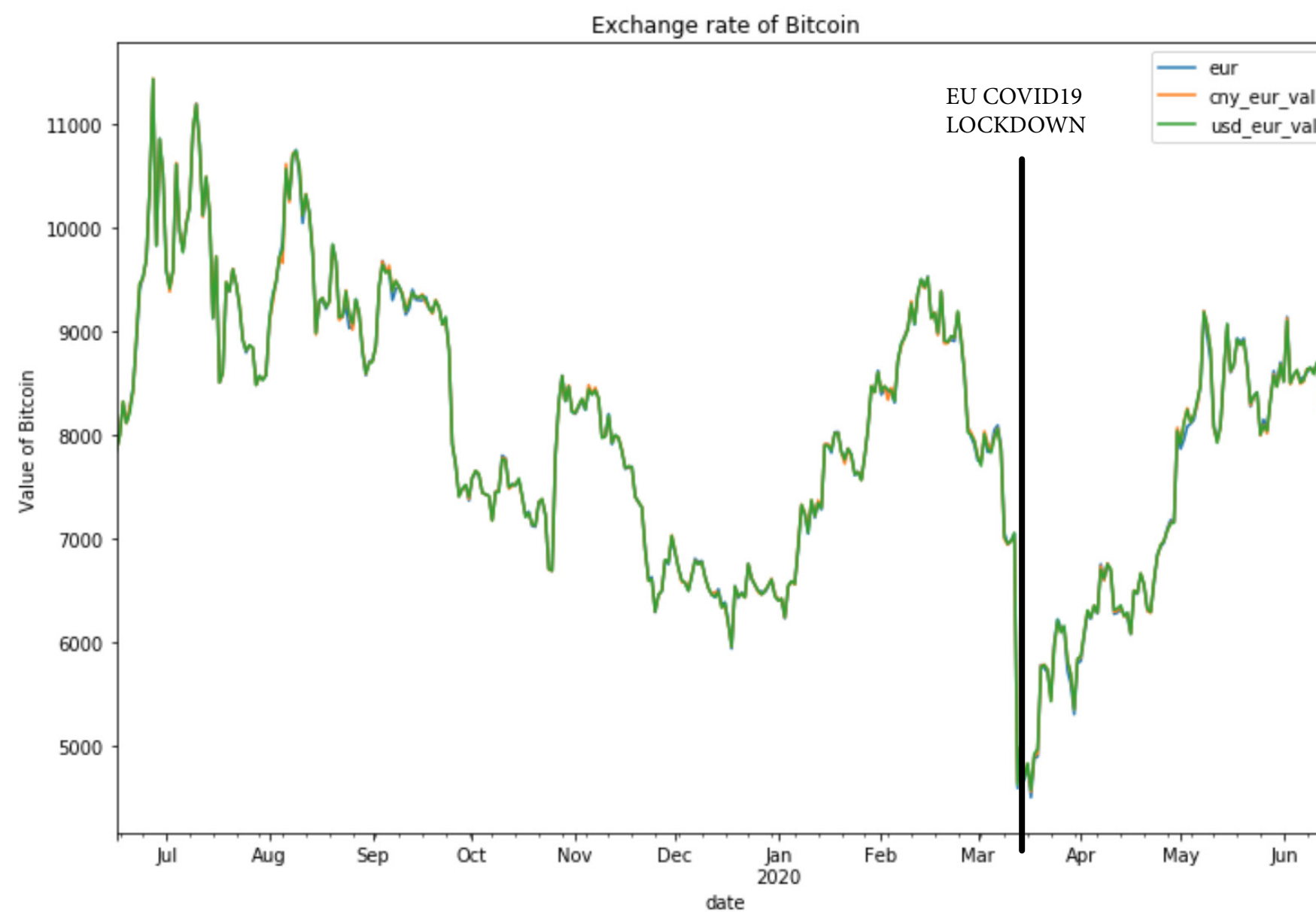
ANALYSIS



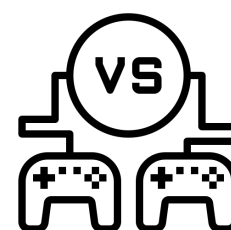
Cryptocoins

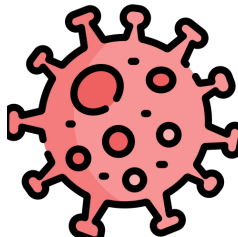


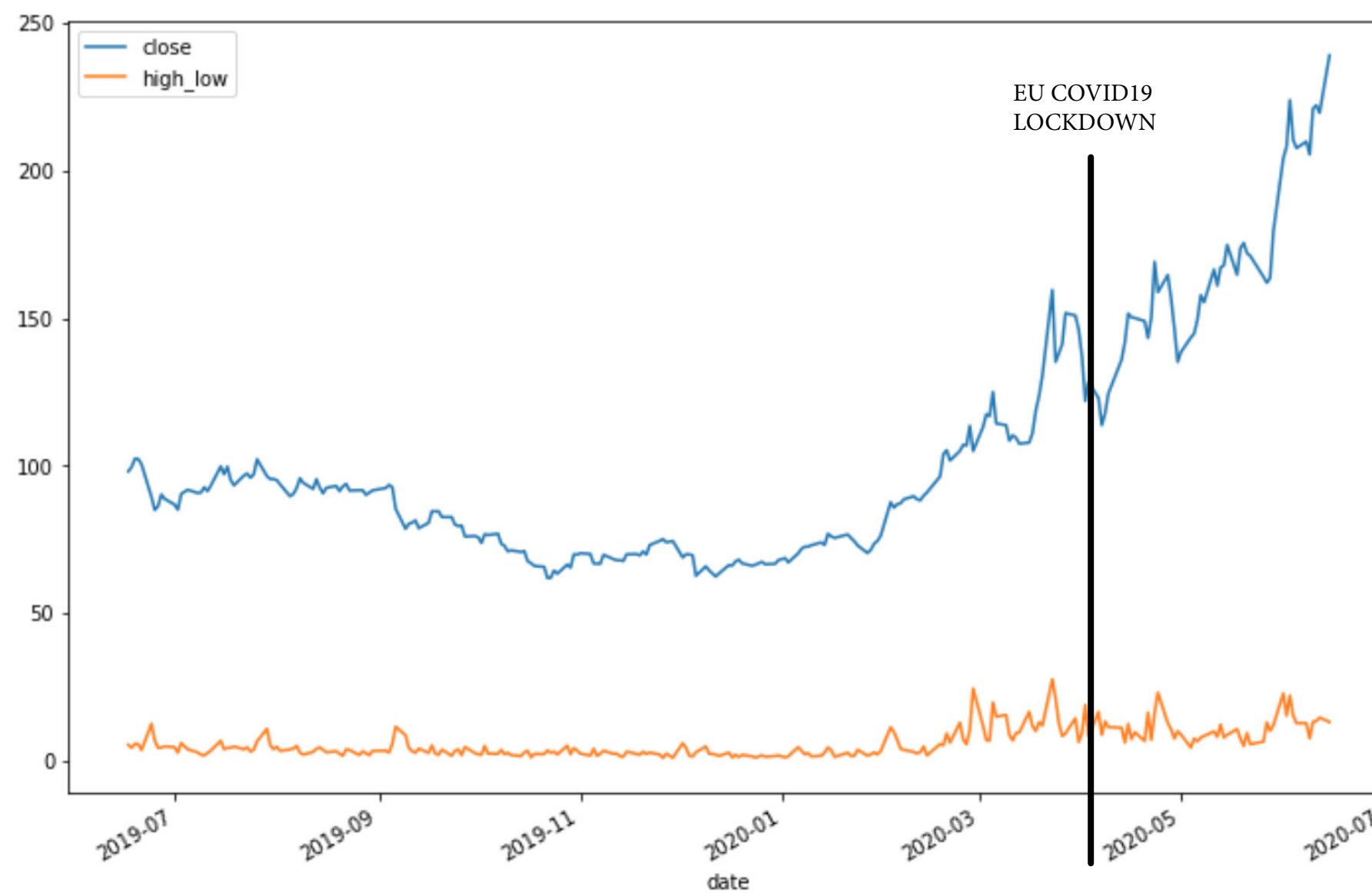
Corona
lockdown




**Zoom stock
price**




**Corona
lockdown**



CONCLUSION

THE GRAPHS INDICATE THE FOLLOWING:

CORONA VIRUS HAS AFFECTED THE BITCOIN POSITIVELY

CORONA VIRUS HAS AFFECTED THE ZOOM SHARE PRICES POSITIVELY

**NO CONCLUSION COULD BE DRAWN ON THE
POLLUTION LEVEL MEASURED COMPARED TO THE FLIGHTS**

INSIGHTS

DATA IS NOT NECCESARILY EASY TO GET!

WRITE FUNCTIONS FOR YOUR DATA CLEANING!
- OR DEAL WITH THE CONSEQUENCES

STATISTICAL ANALYSIS IS IMPARATIVE TO
MAKE SENSE OF CORRELATIONS

A giant panda is lying on its back on a wooden platform, possibly a tree branch or a viewing platform. The panda's head is tilted back, and its mouth is slightly open. A speech bubble with the text "Byeeeeeeee" is positioned above the panda's head. The background is a blurred green forest.

Byeeeeeeee