

WELCOME TO **FLYING WITH CORONA**

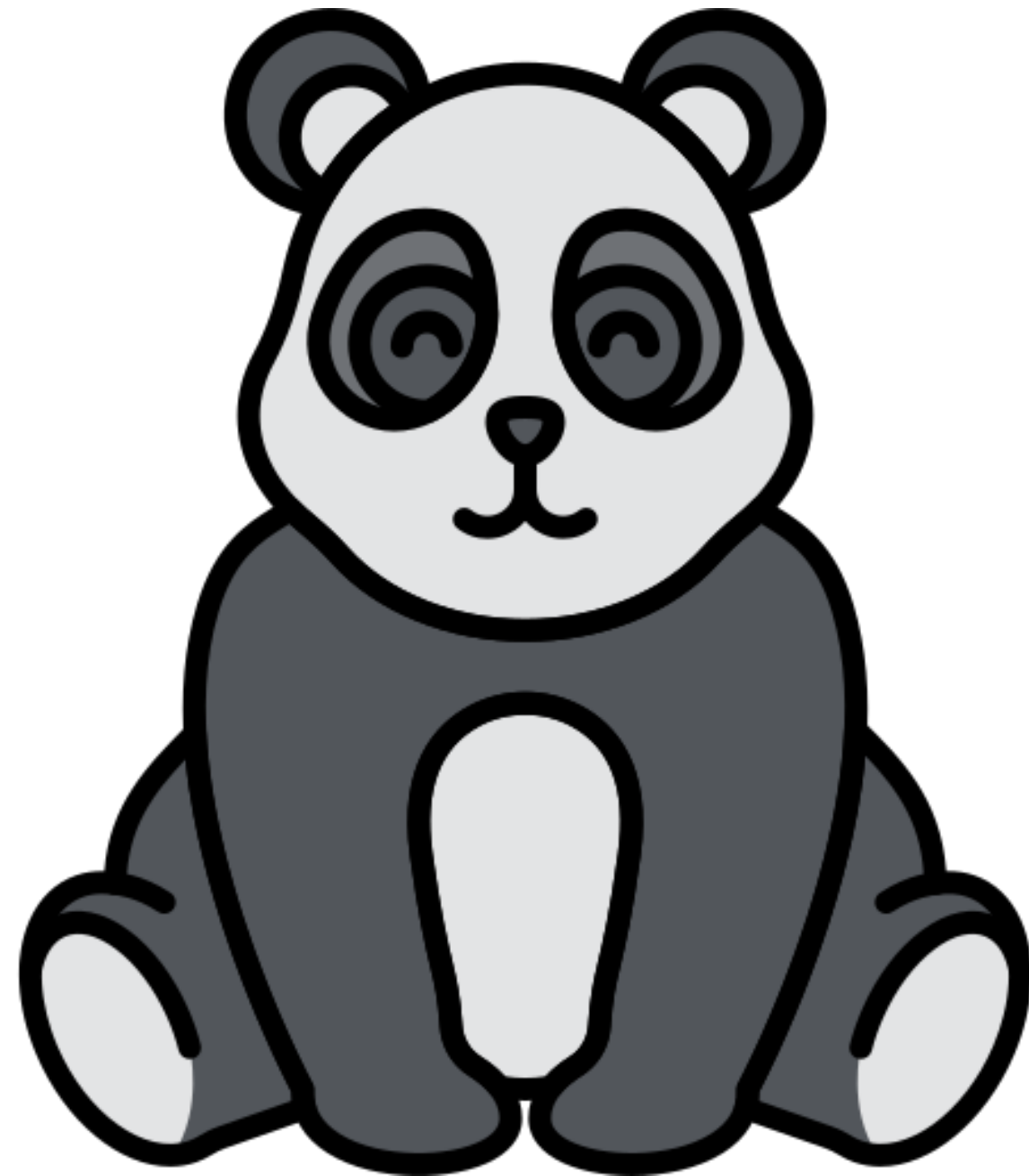
How corona changed the world!

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”

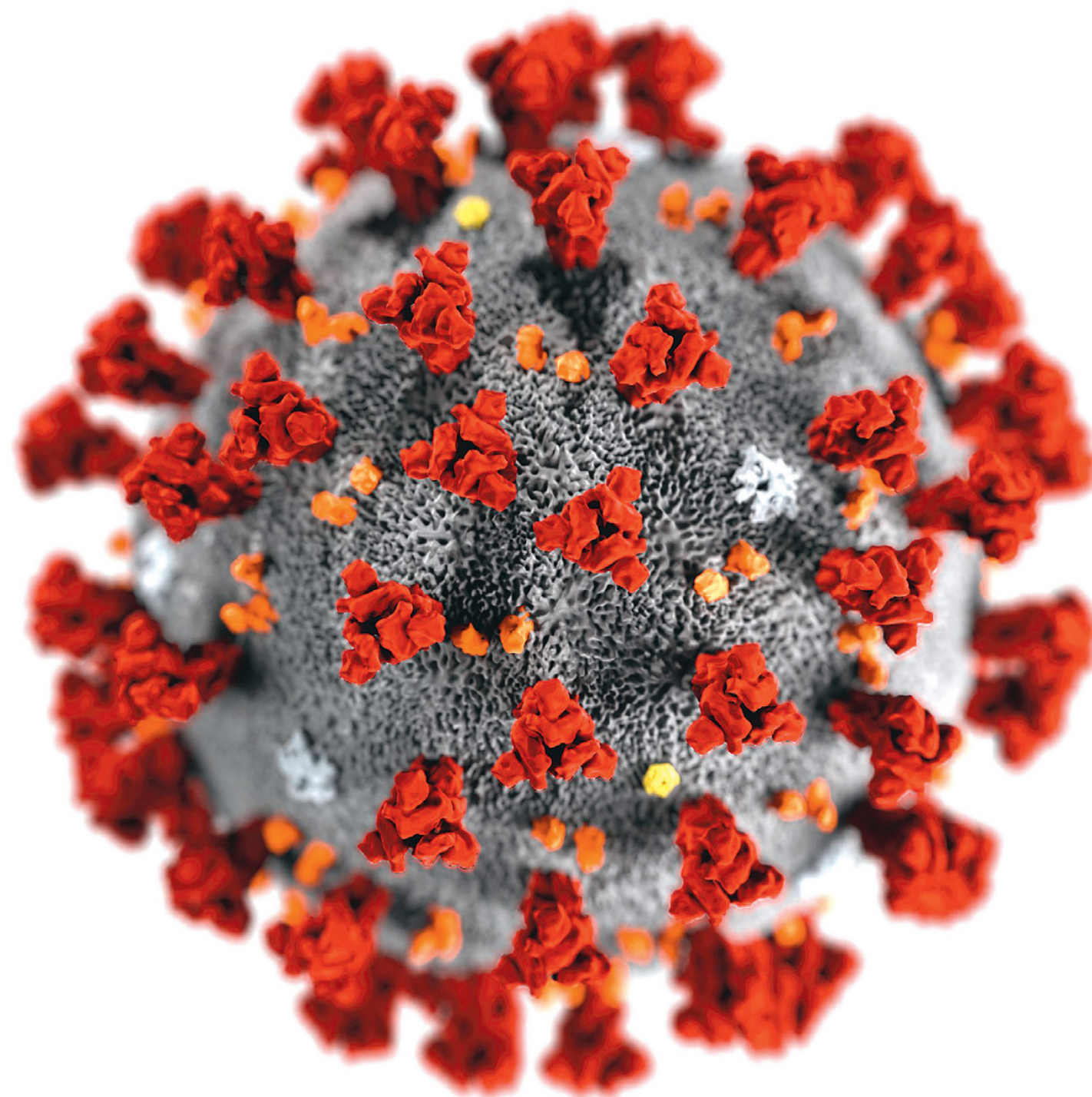


Mikki Seidenschnur

“It’s all about the story!”



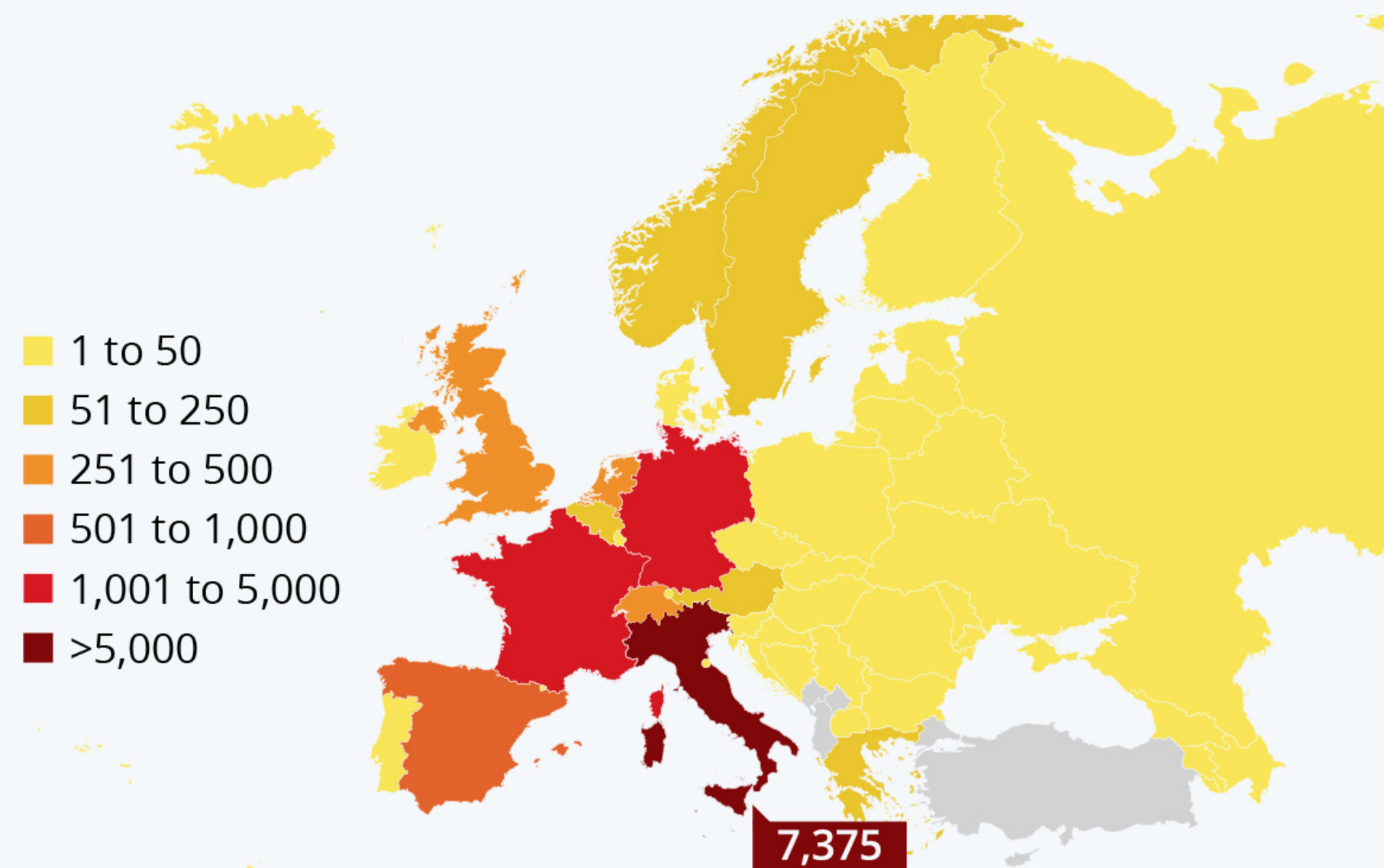
INTRODUCTION





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

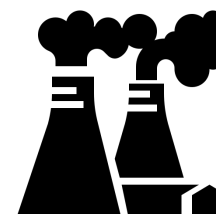
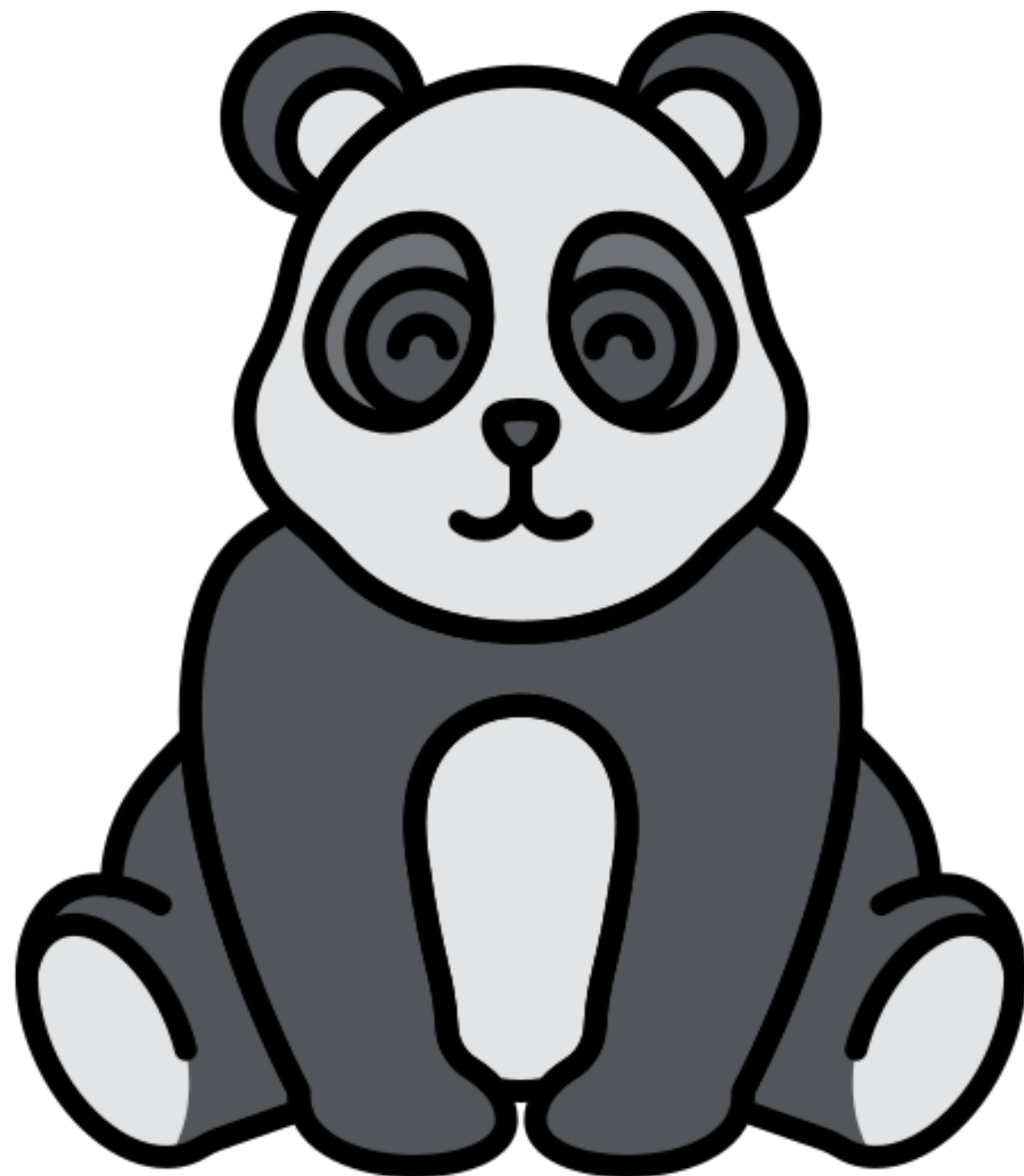


March 23 2020 most of europe reintroduced
border control



**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

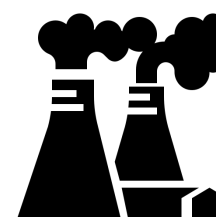
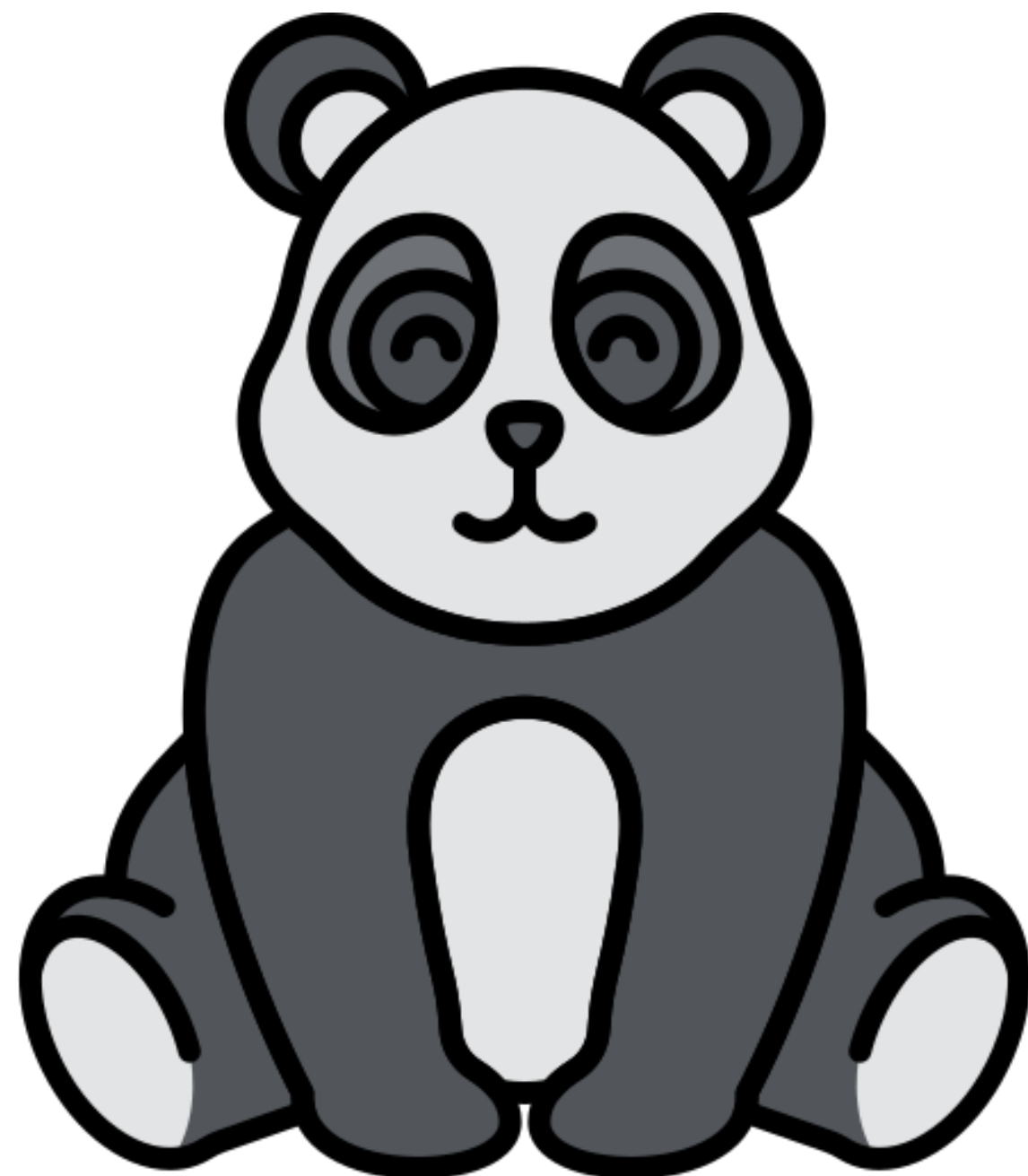


“Zoom” market value

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*



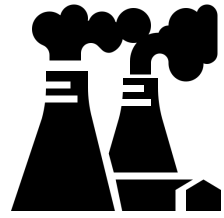
Flight data
*Source: www.flightradar24.com/data
Type: Downloadable CSV file*



Cryptocurrency
*How to compare cryptocurrency with
different country currencies*

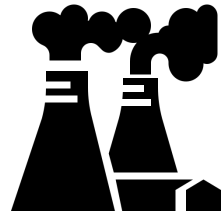


“Zoom” market value
*Source: finance.yahoo.com/quote/api
Type: API*



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

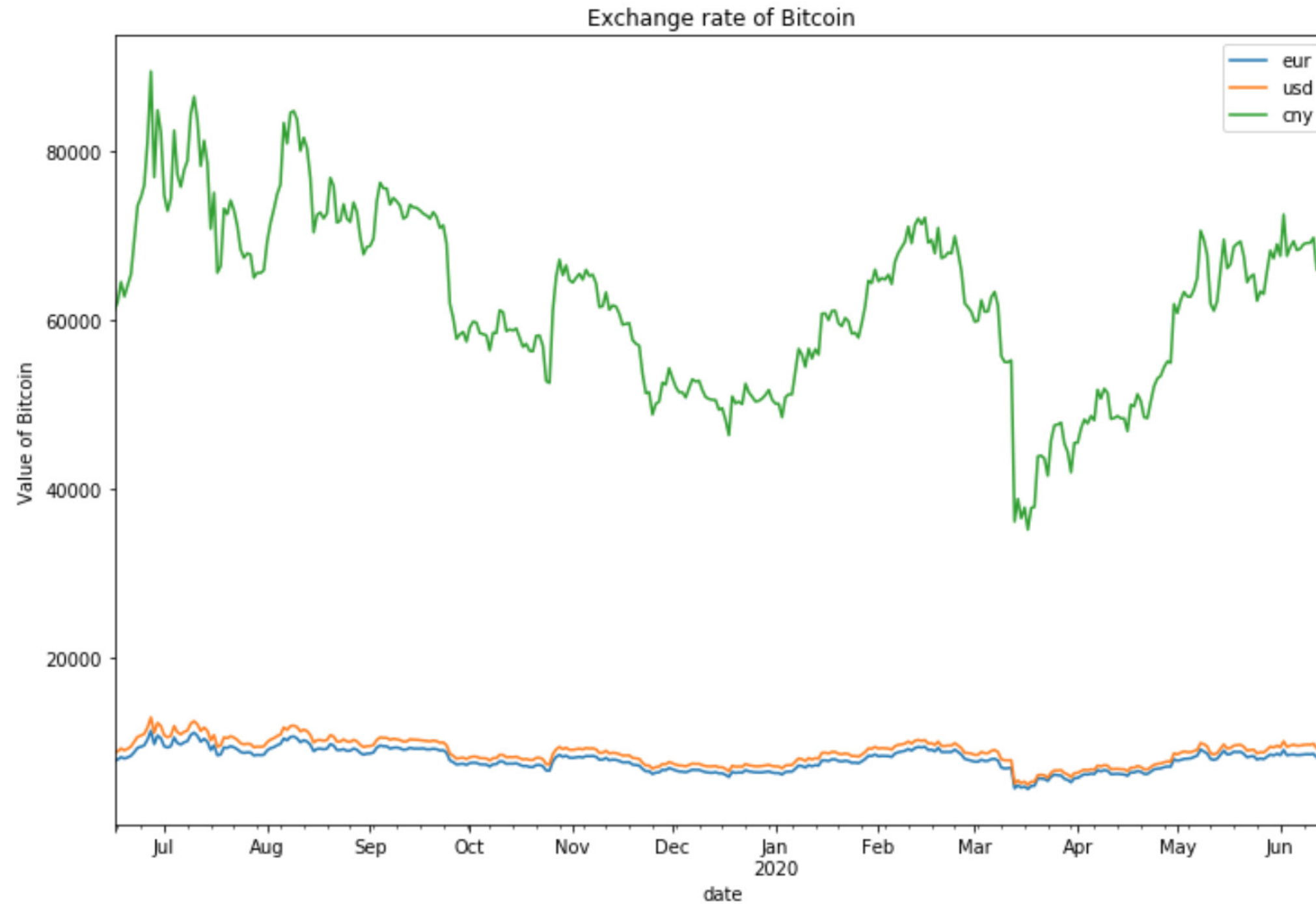


POLLUTION DATA - MAKING ROWS COLUMNS

	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
5	2019-01-16	AE	Abu Dhabi	PM2.5	123							
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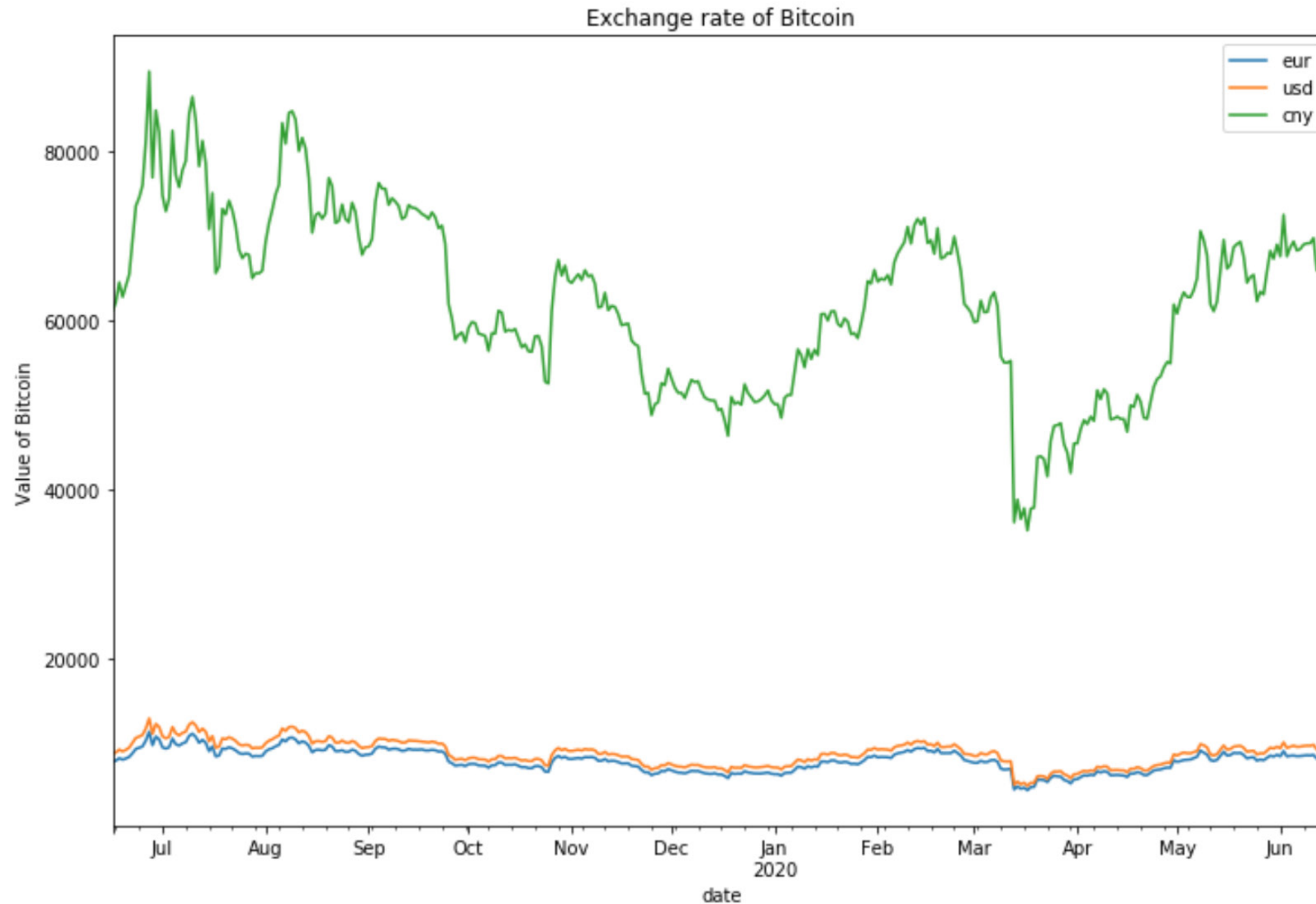


CRYPTOCURRENCY - VISUAL COMPARISON



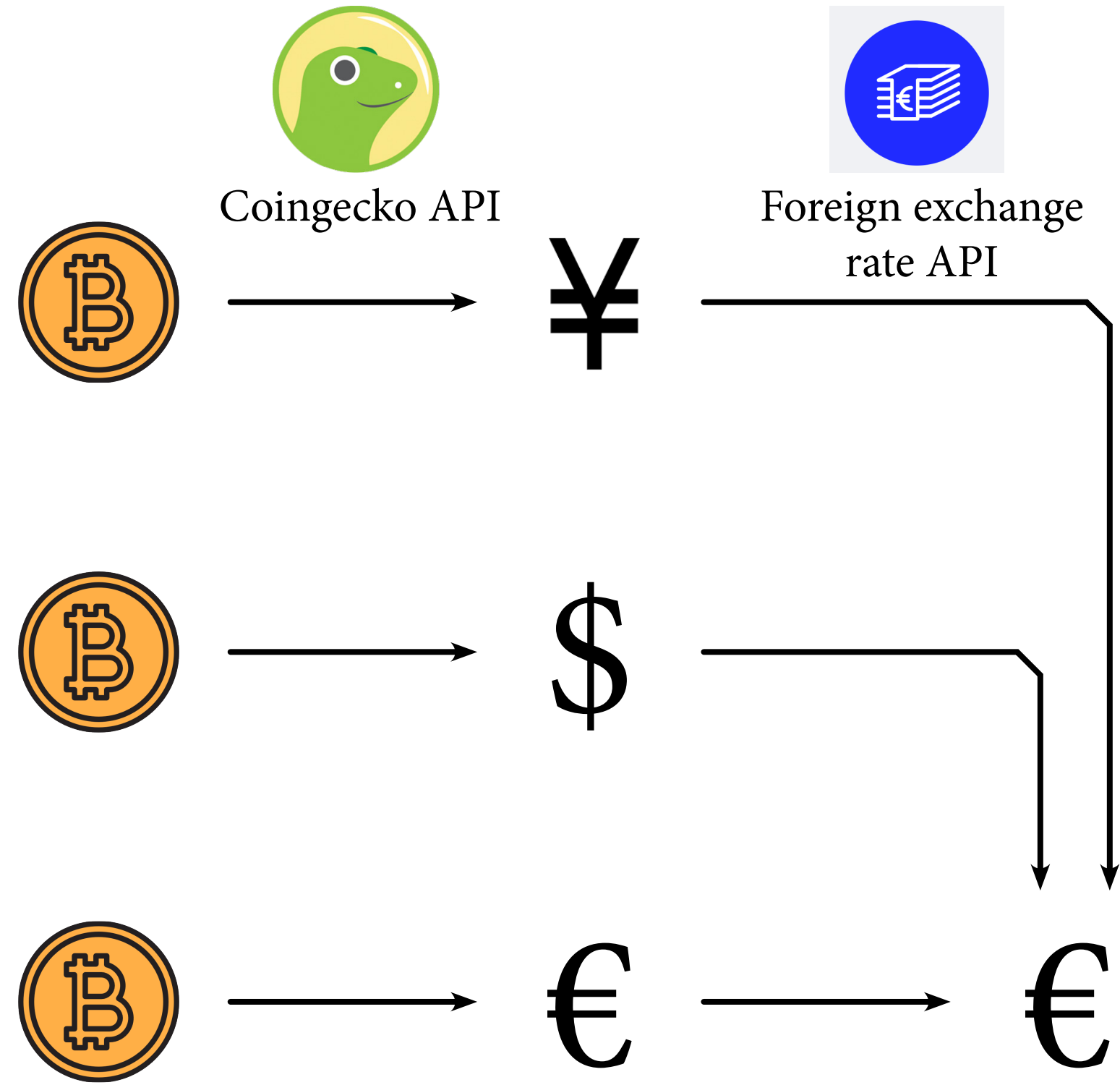


CRYPTOCURRENCY - VISUAL COMPARISON



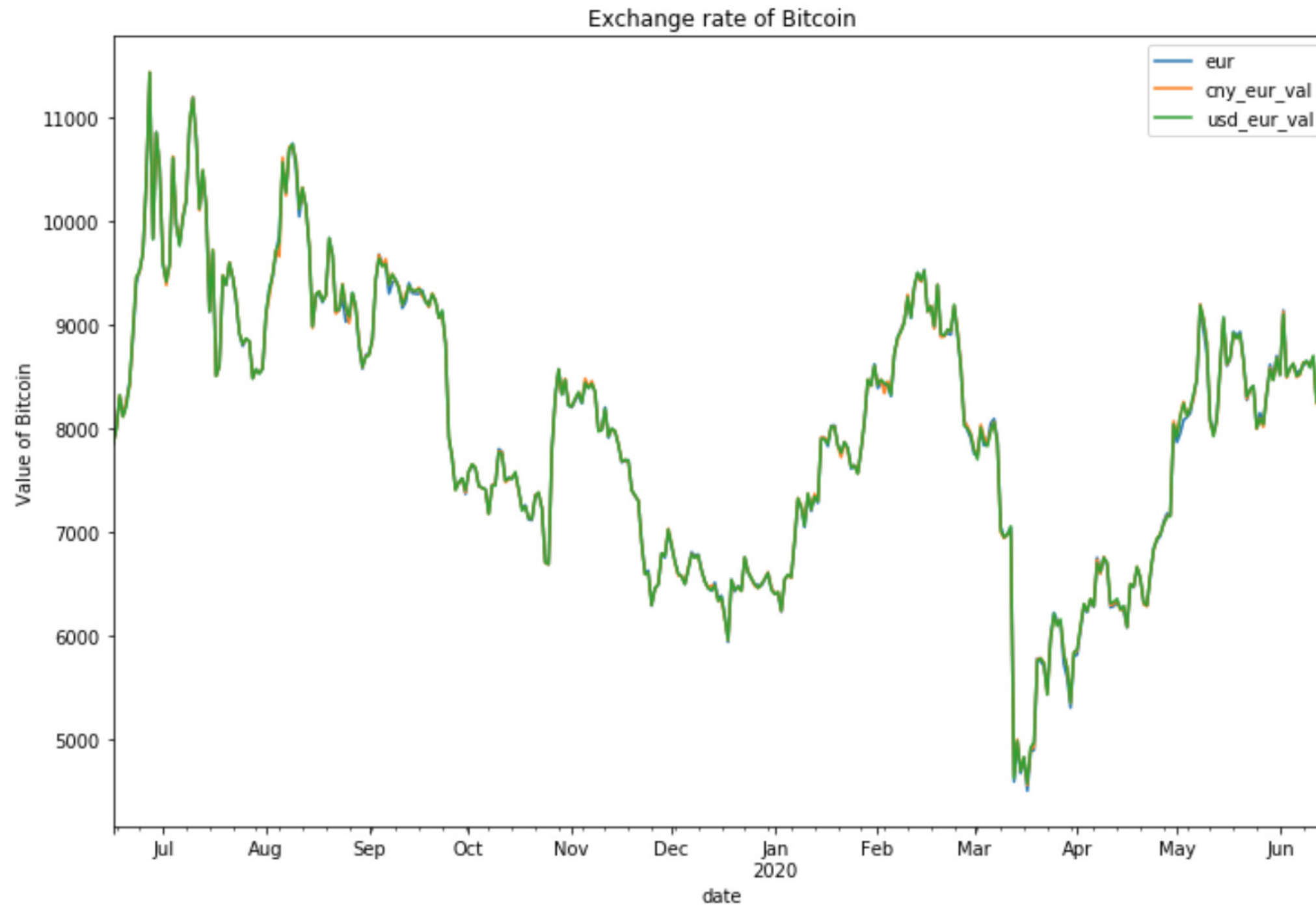
Visual comparison is next to impossible!

Does it follow the same trend?





CRYPTOCURRENCY - VISUAL COMPARISON

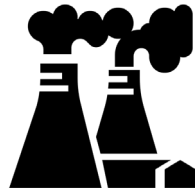
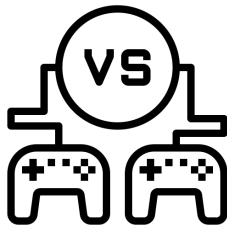




ANALYSIS



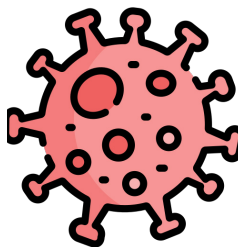
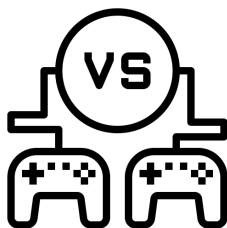
Flight data



Pollution data



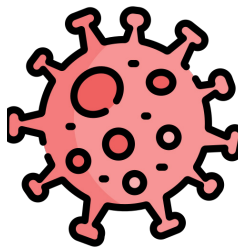
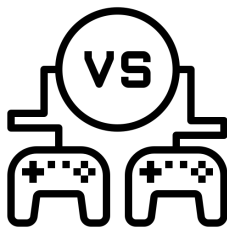
Zoom price



Corona
lockdown



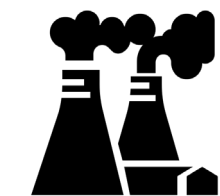
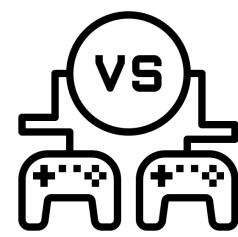
Cryptocoins



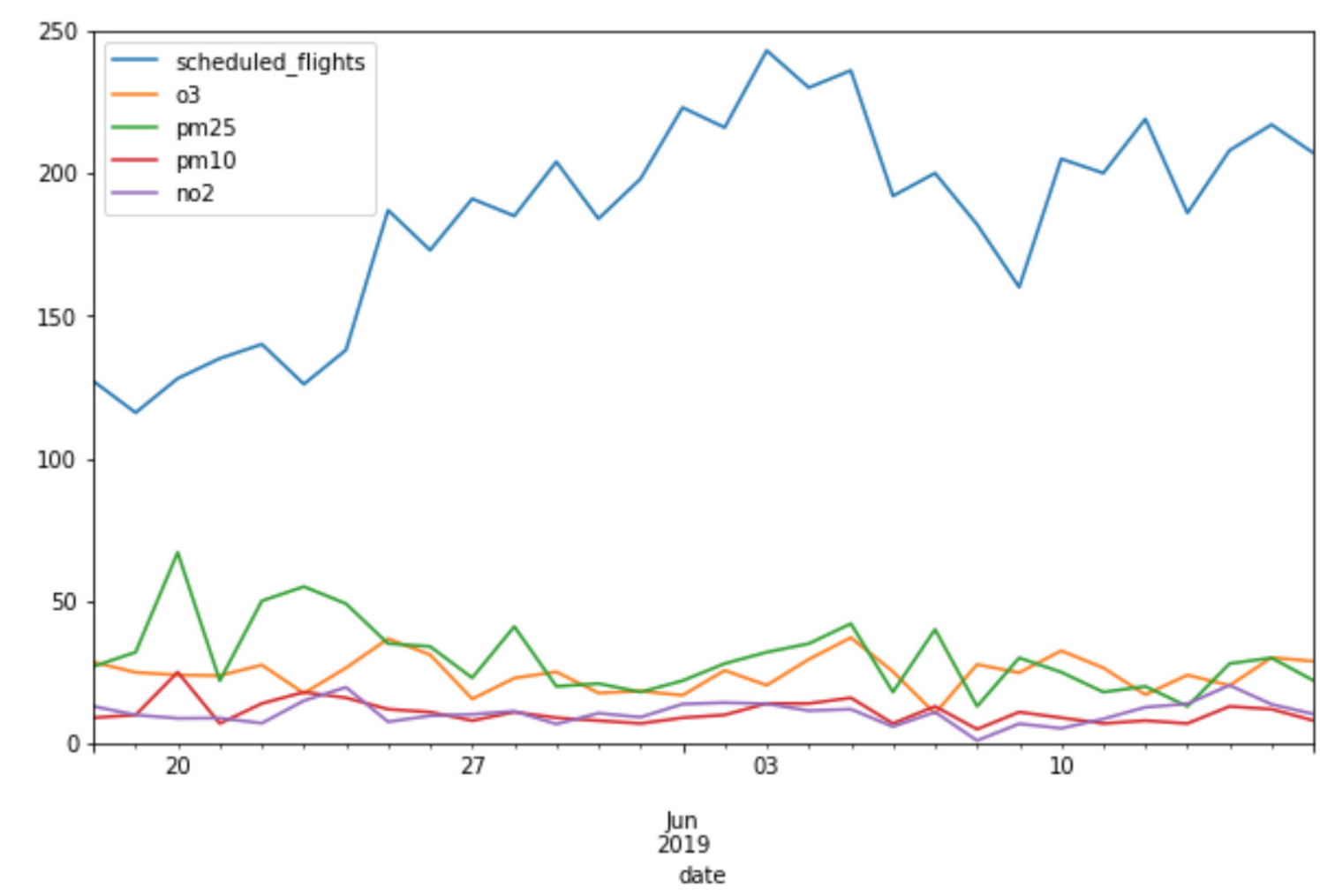
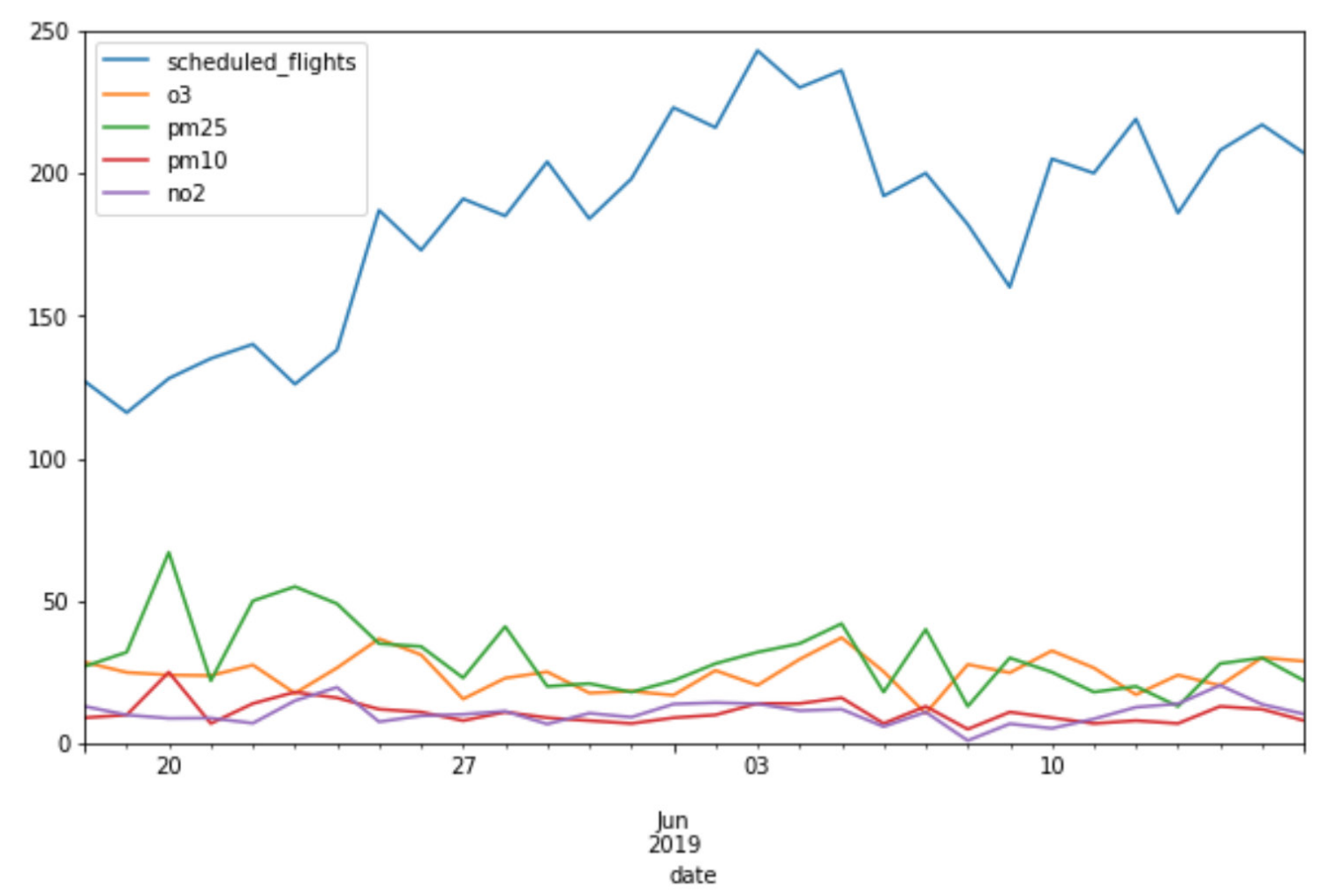
Corona
lockdown



Flight data



Pollution data

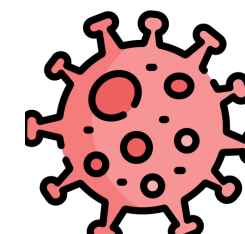
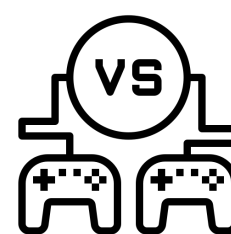




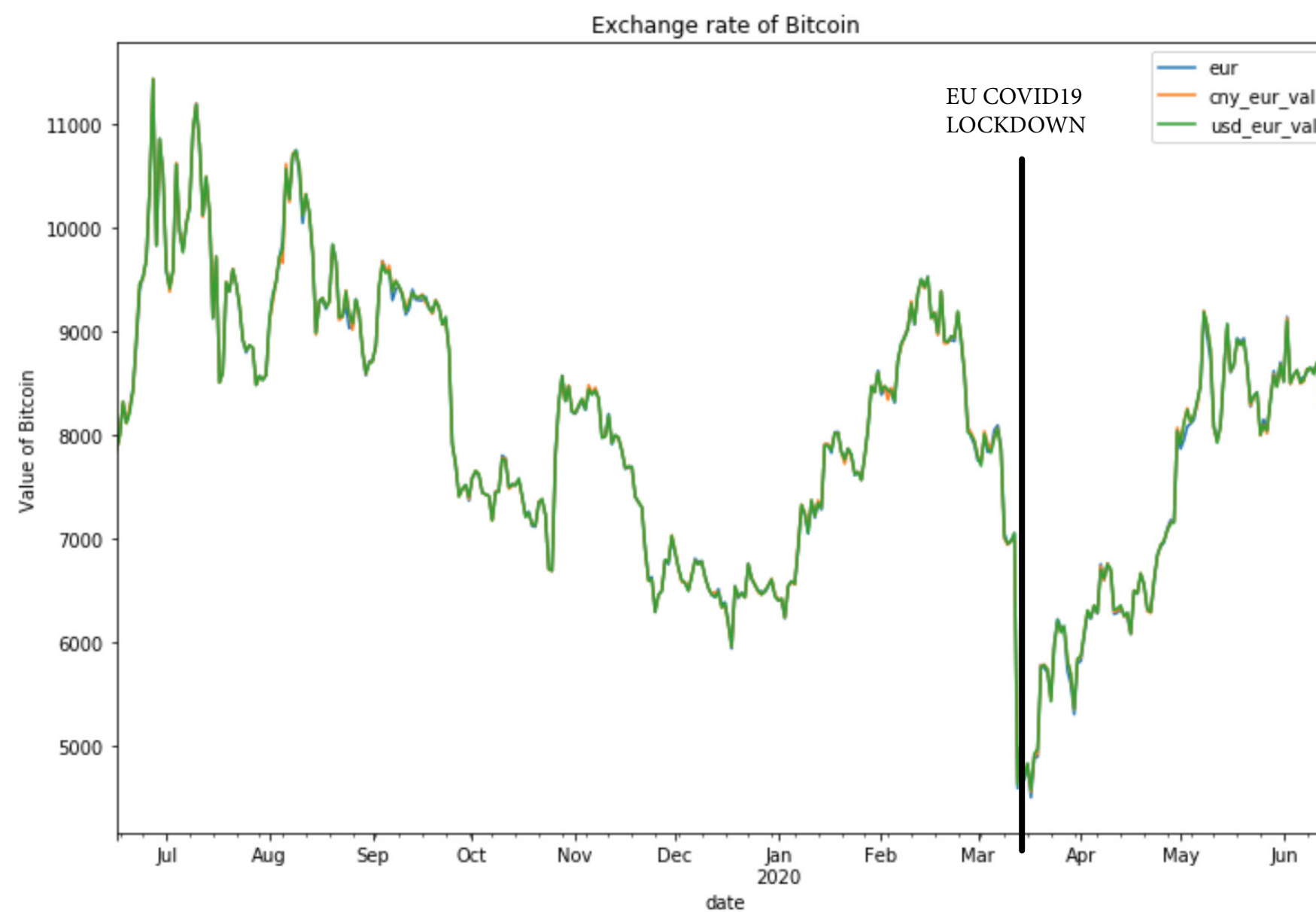
ANALYSIS



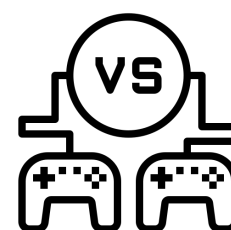
Cryptocoins

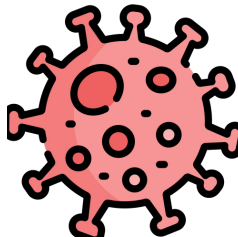


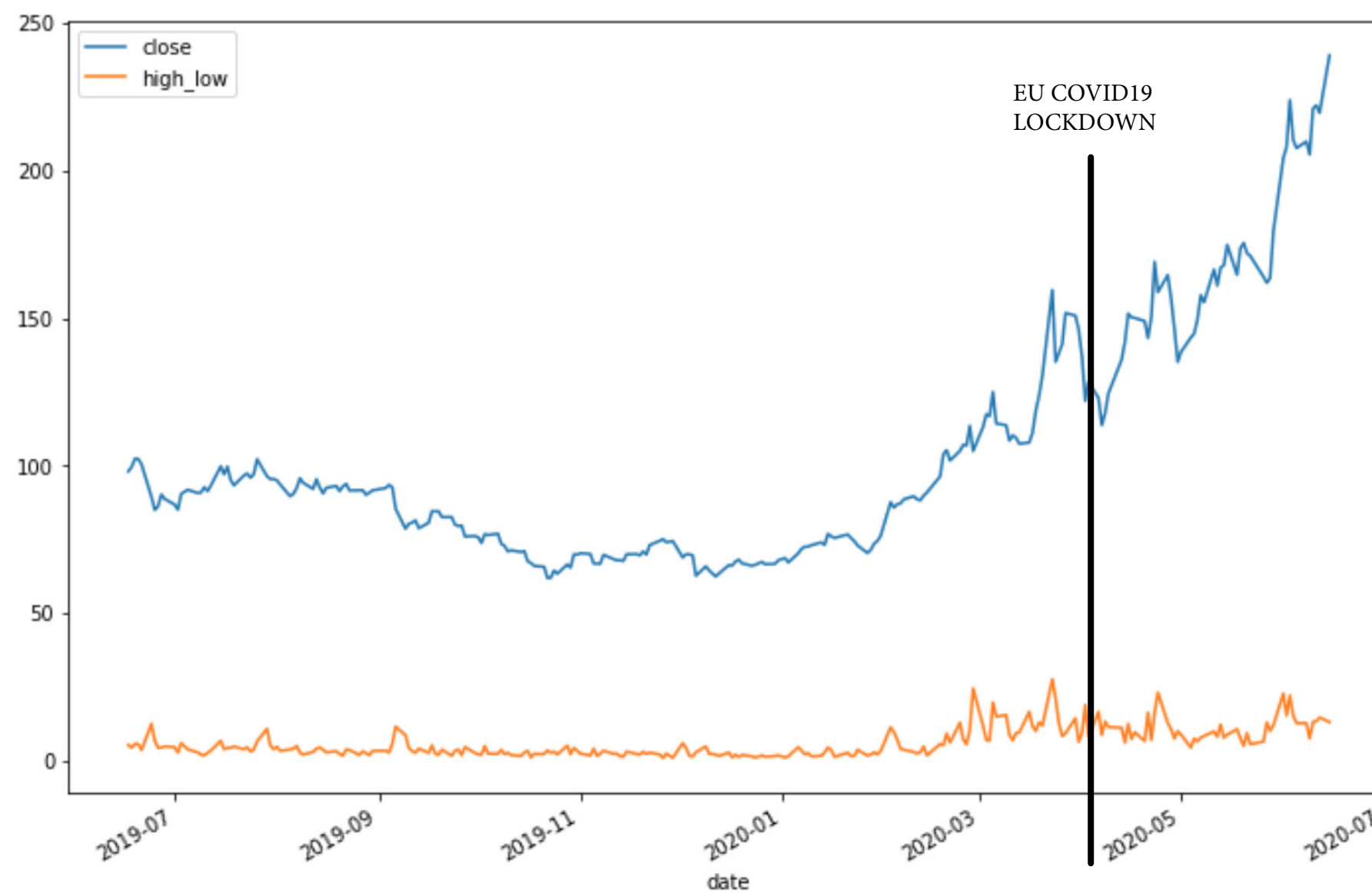
Corona
lockdown




**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 white speech bubble with a black outline is positioned above the panda's head, containing the text "Byeeeeeeee". The background is a blurred green forest.

Byeeeeeeee