## horizontal line



Analysis of Bitcoin

11.04.2021

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# 

# Goals

1. Does web-based media, explicitly twitter, influence bitcoin costs? Assuming this is the case by how much.
2. Predicting the price of bitcoin.

# Data Description

There will be two data sets. The first set is from kaggle

It contains Tweets containing Bitcoin or BTC from 2016/01/01 to 2019/03/29.

The first data set have 16 894 293 observation and the following features:

Id, User, Fullname, Url, Timestamp, Replies, Likes, Retweets, Tweet Text.

The second set is from Yahoo Finance it contains daily Bitcoin data from 2016/01/01 to

11/04/2021

The second data set have 2000 observation and the following features:

Date, Open, High, Low, Close, Adj Close ,Volume.

Links to the data sets:

Twitter data set: (<https://www.kaggle.com/alaix14/bitcoin-tweets-20160101-to-20190329>)

Bitcoin data set: (<https://finance.yahoo.com/quote/BTC-USD/history?period1=1451606400&period2=1635984000&interval=1d&filter=history&frequency=1d&includeAdjustedClose=true>)

# Tools

The tools that will be used in this project:

1. Numpy
2. Pandas
3. Sklearn
4. Seaborn
5. Pycaret