

# Bitcoin Price Ticker

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## Project Objective

The objective of the project is to determine the correlation between BitCoin price and BitCoin trade volume and also determine the distribution of BitCoins across some platforms who provides the trading services to users over the past 3 years.

## Procedure

- Capture the data from blockchain.info's api
- Extract useful information from raw data and store them in a csv file as a time series data
- Use Exported time series data to plot graphs of Bitcoin price vs time and trade volume vs time and visualize it using pandas and matplotlib
- For the Pie charts use matplotlib to plot graph

## Modules used

- The following modules has been used in this project.
- Requests, Json, Objectpath, Datetime, Csv, Itertools, Pandas, matplotlib

## Data / Observations

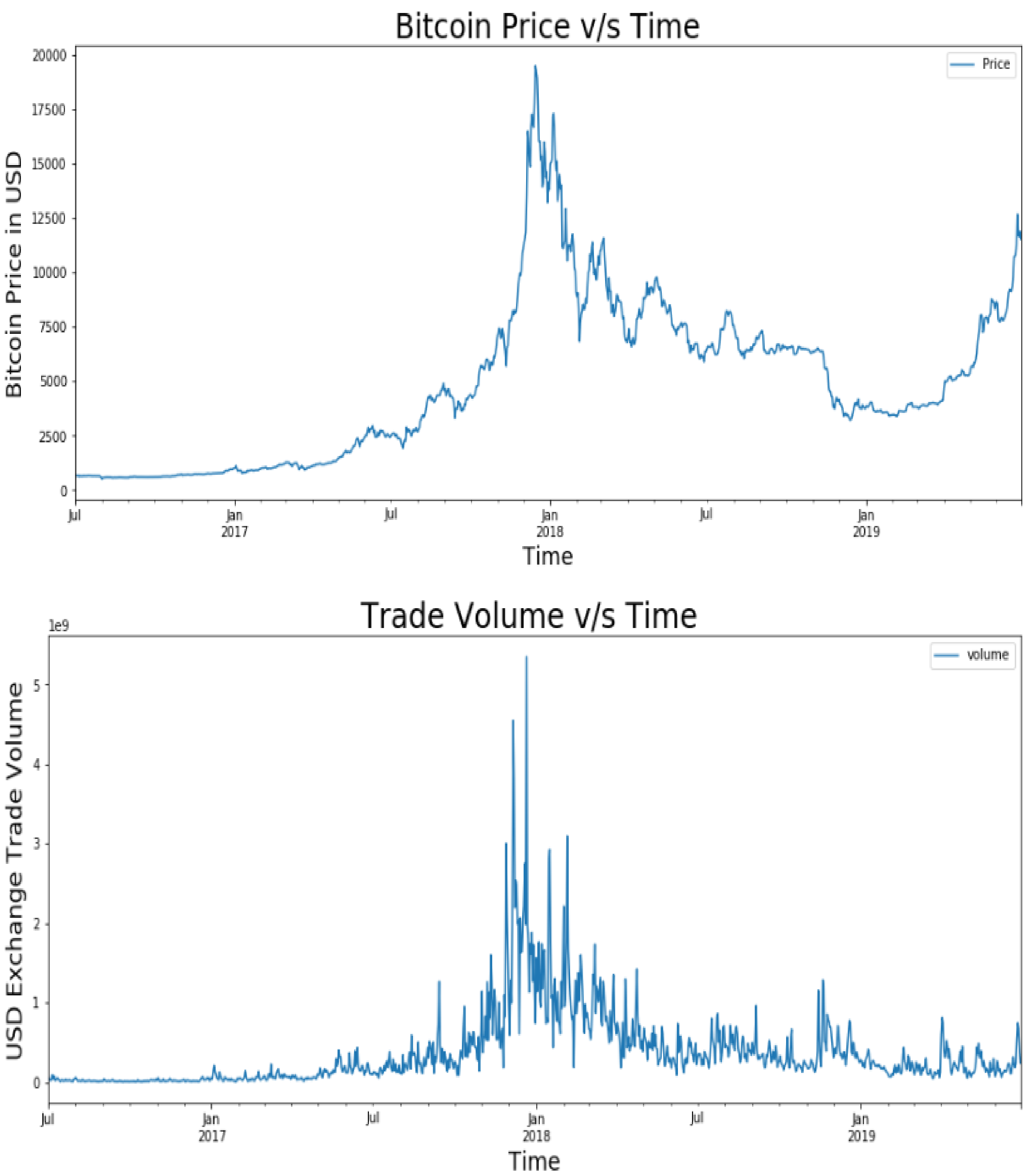
**Observation 1:** BitCoin price reached its maximum in December 2018 and dropped sharply.

**Observation 2:** Over the past 3 years there is an increasing trend in the price of BitCoin.

**Observation 3:** Trade volume is very high in between November 2018 and January 2019.

**Observation 4:** Btc.com has highest market share of BitCoin

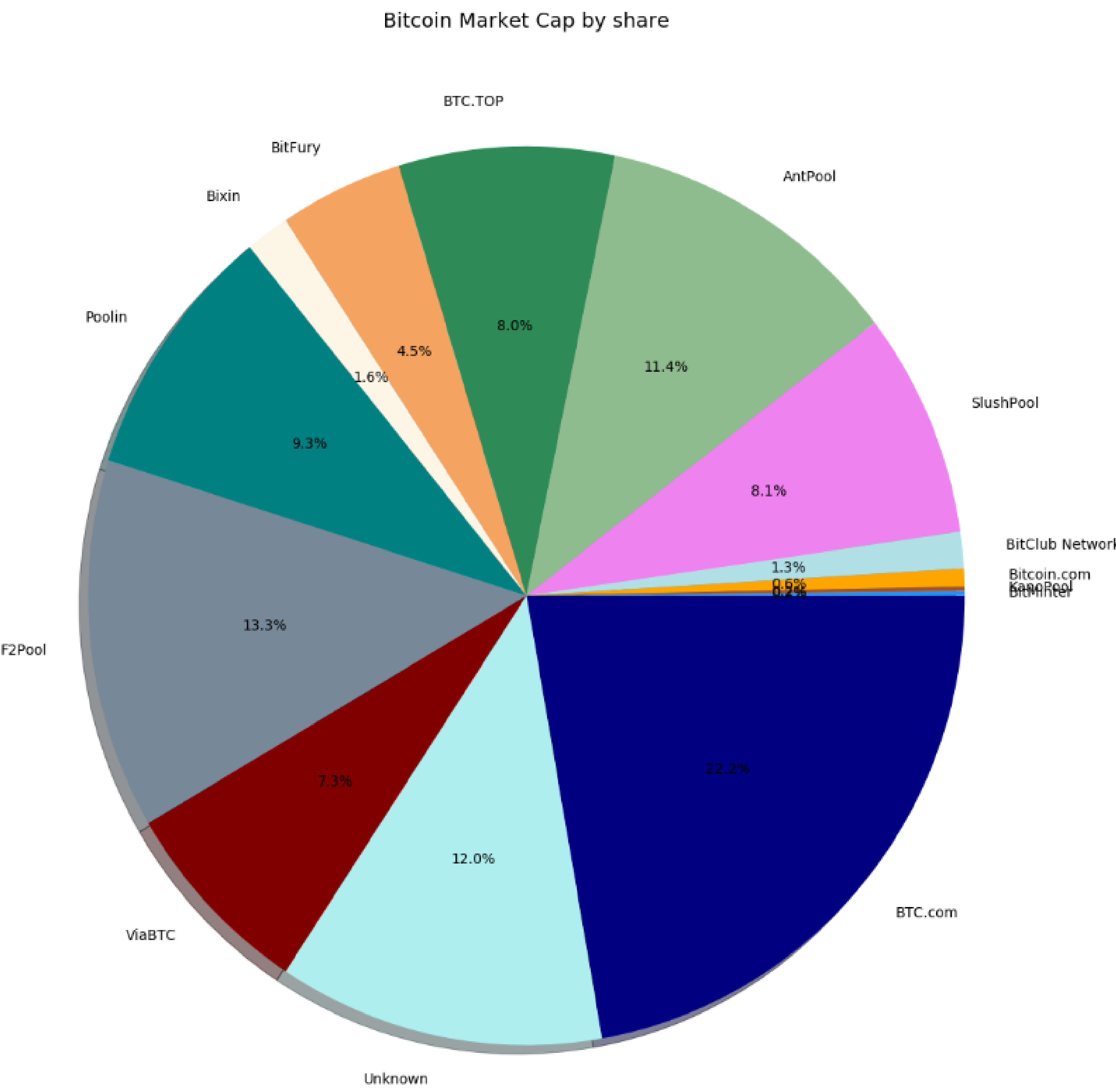
## Results



## Conclusion

- From time series charts we can see a trend of increasing trade volume with increase in bit coin price. When the price is at its highest, users tend to trade a lot .
- The pie chart shows the respective percentages of market share of the most popular bitcoin mining pools.

## Results



## Works Cited

- Includes data from blockchain.info api.