

## Ideas

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- explore bitcoin\_price dataset
  - time vs price
  - day of week analysis
  - seasonal trend in price
  - join it with bitcoin\_dataset
  - you get output.csv File
- You have much information now
  - check bitcoin price vs block size
  - check price correlation with all other variables in that dataset and see which one are correlated
  - try to find out the if you can see any relations
  - look for seasonal trend
- How many cryptocurrencies.
- Why people are interested in it?
- what are the factors that lead to increase/decrease in price?
- can we predict the future price looking at the historic data?
- Is there a seasonal trend in price fluctuation?
- Join bitcoin price dataset with US stock dataset
  - with three companies of different sectors: see how bitcoin price change with respect to those

- Join bitcoin dataset with tokyo company
  - see the price vs stock trend/correlation
- Compare prices of bitcoin, japan and us stock and see if you can see some trend
- Find correlation between prices of all cryptocurrencies.
- causal analysis
- how prices are associated
  - 3M company: Industrial
  - Apple Inc: Information Technology
  - AFLAC AFL Financial Life and health Insurance
- T-Test
- Take moving average instead of normal average to smoothen the data
- Look at the spread of data
- Other time series analysis
- Do yearly analysis rather than five year to see how price has changed over the years
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