Visualizing Cryptocurrency Trends

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Motivation

- Blockchain is gaining popularity. *set to revolutionize industries*
- People are moving towards cryptocurrencies from traditional currencies. *due to its decentralized nature*
  - Confidentiality & security
  - Security grows through time & value
continued......

• Hence, people investing in cryptocurrencies need reliable predictions to be able to make smart and better choices.
Existing Visualizations.....
PROBLEM

• Existing datasets and visualizations cannot accurately predict the cryptocurrency values.

• The Major problems with price prediction are that they lack analytical support to back up their claims.
Solution/Goal of the Project........

• We can collect historical data from Coingecko API, store in GridDB and visualize using python script.

• For value predictions, we can use Twitter API and python Library “Tweepy” to collect and store tweets involving Bitcoin or Ethereum.
Solution/Goal of the Project

• Then, we can analyze the twitter data to create a sentiment score by day and compare to price changes of that day to determine the relation between twitter sentiment and cryptocurrency price changes.

• Then, we will combine historical & Predicted data visualizations into one to compare the prices and use of different digital currencies.
Technologies to be used..

- OS : Ubuntu
- Python 3.6 or higher versions
- GridDB client & Server
- GridDB Python client
- Twitter API
Looking for Group Members.........

Thank You