
WELCOME

Dogecoin Price Prediction Using Machine Learning

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what is Dogecoin

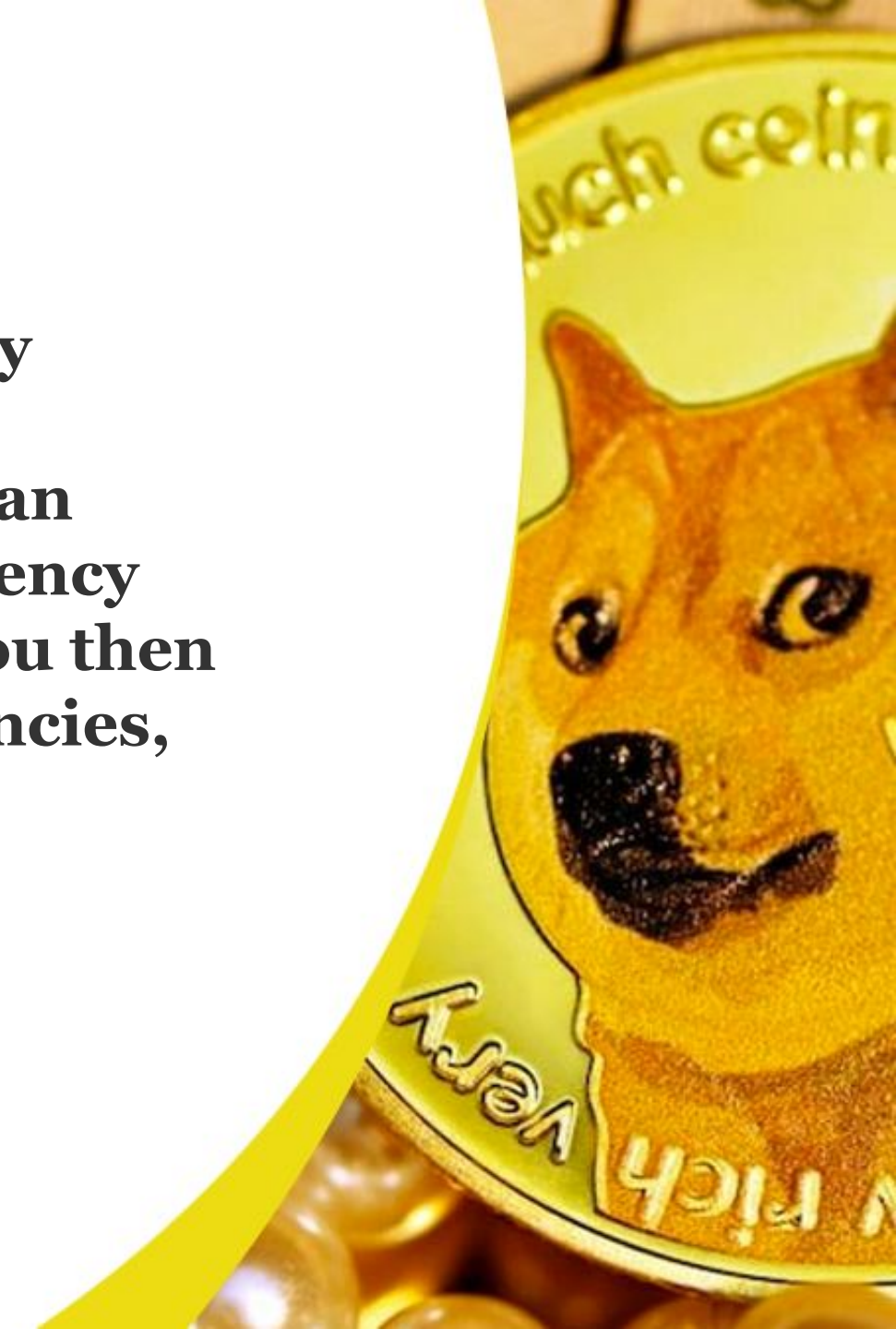
- Dogecoin is an open-source cryptocurrency established in 2013 by Jackson Palmer and Billy Markus.
- Dogecoin features a Shiba Inu, a Japanese breed of dog, as its logo.
- It is based on Litecoin and uses the same proof-of-work technology.
- Dogecoin has a loyal community of supporters who trade it and use it as a tipping currency for social media content.

What Is Dogecoin Used For?

- **You can spend your Dogecoin with any merchant that chooses to accept it. Many different types of businesses accept DOGE including Elon Musk's SpaceX and the Dallas Mavericks. Many Dogecoin holders use their DOGE to tip content creators on Reddit and other social media platforms.**

How to Buy Dogecoin

- **You can buy Dogecoin on a cryptocurrency exchange like CoinDCX or WazirX. The exchanges require you to set up and fund an account with Indian rupees or cryptocurrency (it is misspelled in the original article). You then are able to buy and exchange cryptocurrencies, including Dogecoin**



Dogecoin real life Example

Dogecoin Use Case: Online Tipping

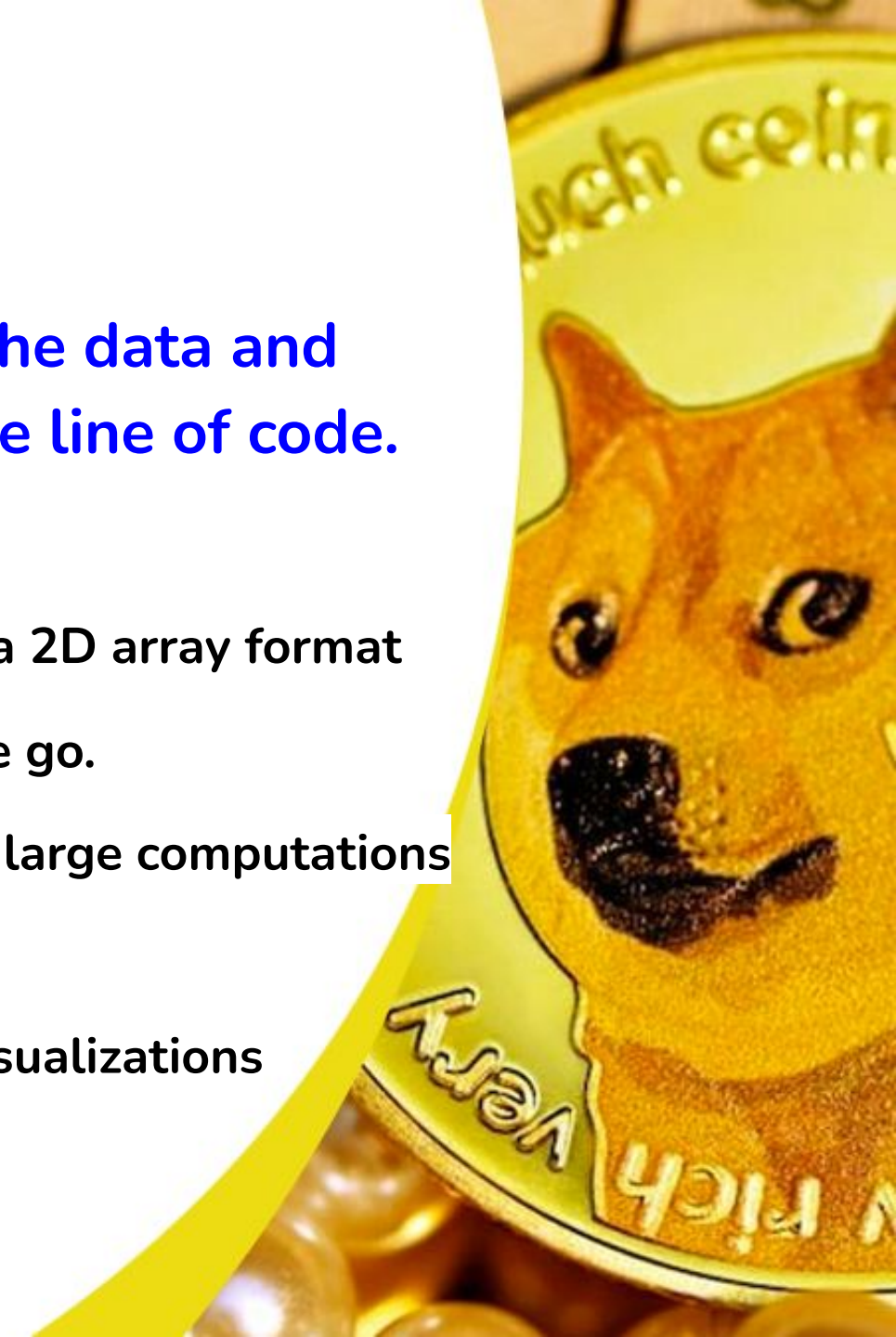
- **Perhaps one of the most initial use cases of Doge was as an online tipping coin. Using the coin, social media users could tip others for their content. One example of Doge in online tipping was the Dogetipbot.**

- **Which major companies accept Dogecoin? Some of the major companies who accept Dogecoin as payment include Crypto Emporium, AMC Theatres, Tesla, Newegg, AirBaltic, Microsoft, Twitch, and many others.**

Importing Libraries

- **Python libraries make it easy for us to handle the data and perform typical and complex tasks with a single line of code.**

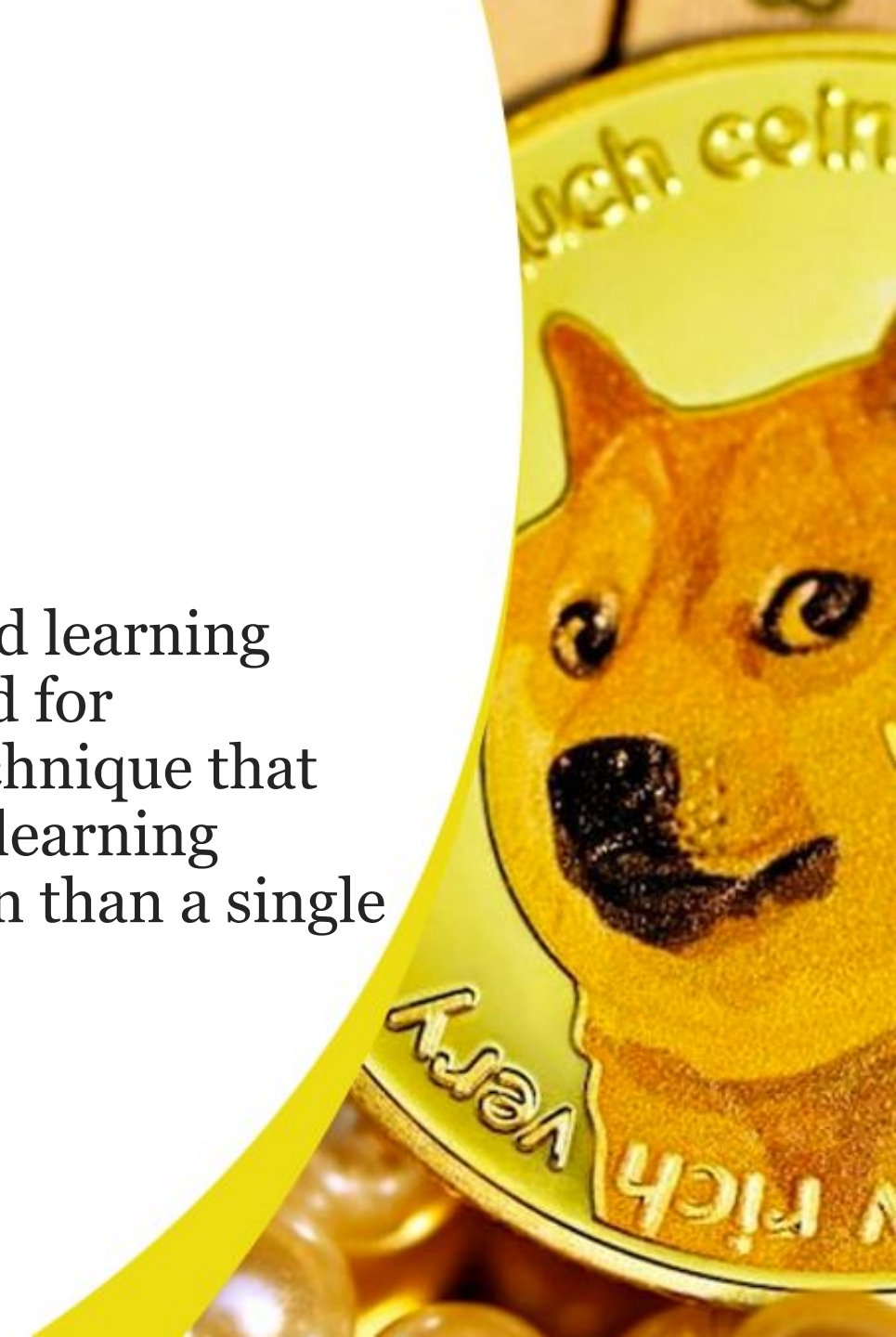
- **Pandas** – This library helps to load the data frame in a 2D array format and has multiple functions to perform analysis tasks in one go.
- **Numpy** – Numpy arrays are very fast and can perform large computations in a very short time.
- **Matplotlib/Seaborn** – This library is used to draw visualizations



Algorithm

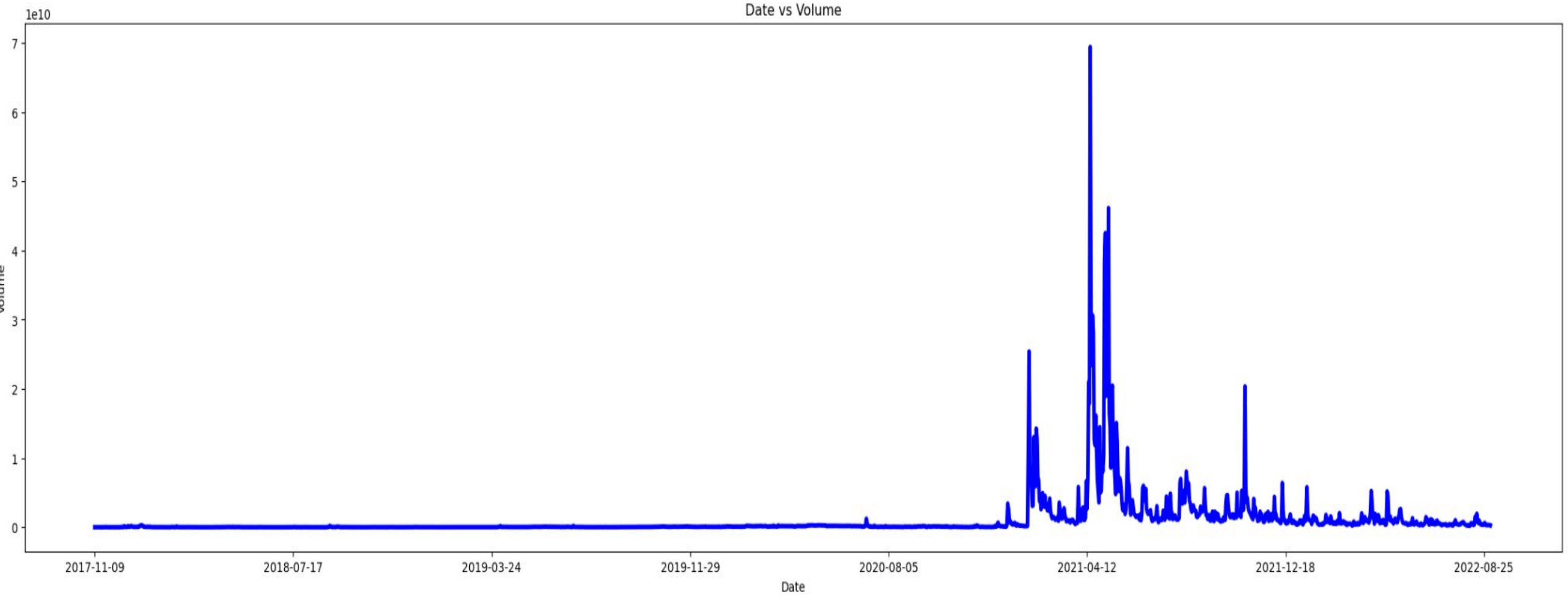
Random Forest Regression

Random Forest Regression is a supervised learning algorithm that uses ensemble learning method for regression. Ensemble learning method is a technique that combines predictions from multiple machine learning algorithms to make a more accurate prediction than a single model.



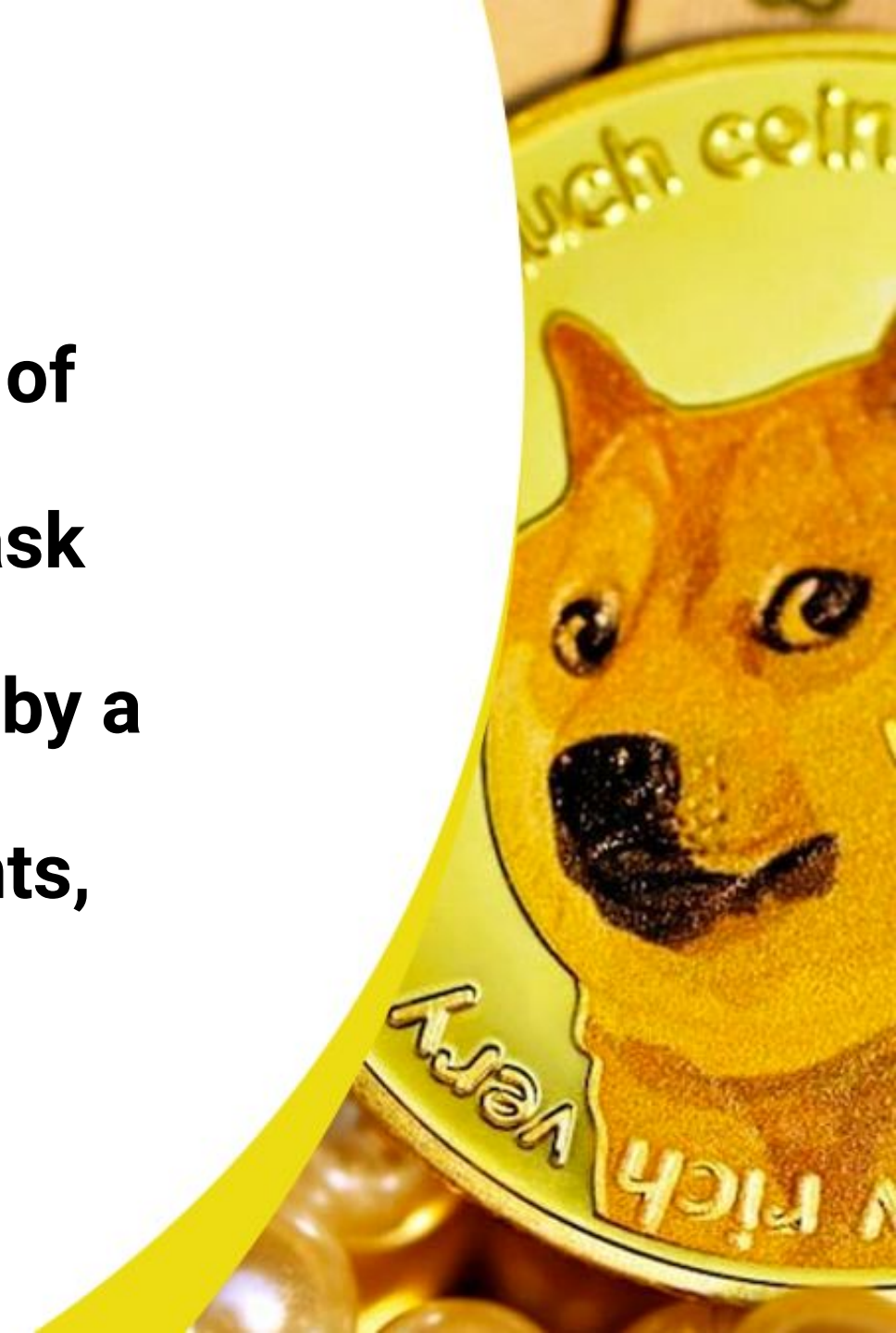
Data Visualization

we will analyze the Date and volume price as perform the



Conclusion

- **the project aimed to predict the price of Dogecoin. The prediction of cryptocurrency prices is a complex task due to the inherent volatility and uncertainty in the market, influenced by a wide range of factors such as market sentiment, technological developments, regulatory changes, macroeconomic trends, and more.**



Reference of Dataset

- load the dataset in the panda's data frame. One can download the CSV file from Kaggle Website below is the link of this dataset

https://www.kaggle.com/datasets/codestarters/dogecoin-dataset


Thank you!