

PREDICTING SHITCOINS

USING MACHINE LEARNING TO IDENTIFY
HIGH RISK CRYPTO CURRENCIES

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THE CRYPTOCURRENCY MARKET



- Cryptocurrency is a digital currency that operates independently of a central bank and uses cryptography for security.
- The market has experienced significant growth in recent years, with many new cryptocurrencies emerging and the overall market capitalization reaching hundreds of billions of dollars.
- The cryptocurrency market is known for its volatility, with prices fluctuating rapidly due to a variety of factors.
- The cryptocurrency market remains a dynamic and evolving space, with ongoing developments and innovations that are shaping the future of money and finance.

SHITCOINS?

WHAT ARE THOSE?

- "Shitcoin" also known as meme-coin refers to a cryptocurrency with little or no value, potential, or utility.
- Shitcoins are often created as a joke or for quick profit without any innovation or development behind them.
- These coins typically have a low market capitalization and trading volume and are prone to pump-and-dump schemes



Popular Meme Coins

Dogecoin
(DOGE)



Shiba Inu
(SHIB)



Dogelon Mars
(ELON)



Samoyed coin
(SAMO)



THE BUSINESS PROBLEM

How can we accurately predict whether a cryptocurrency is a 'shitcoin' or not to assist investors in making informed decisions and mitigate financial risks?

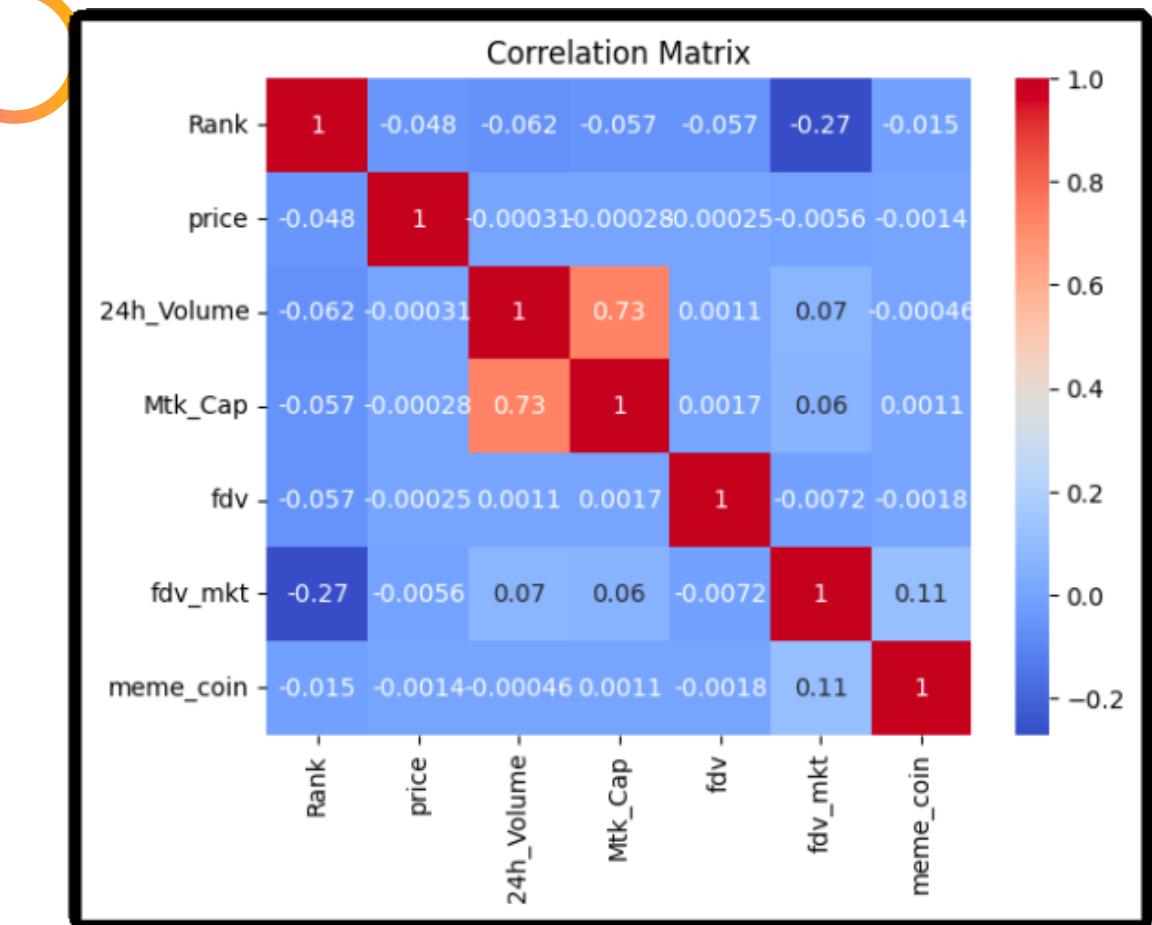
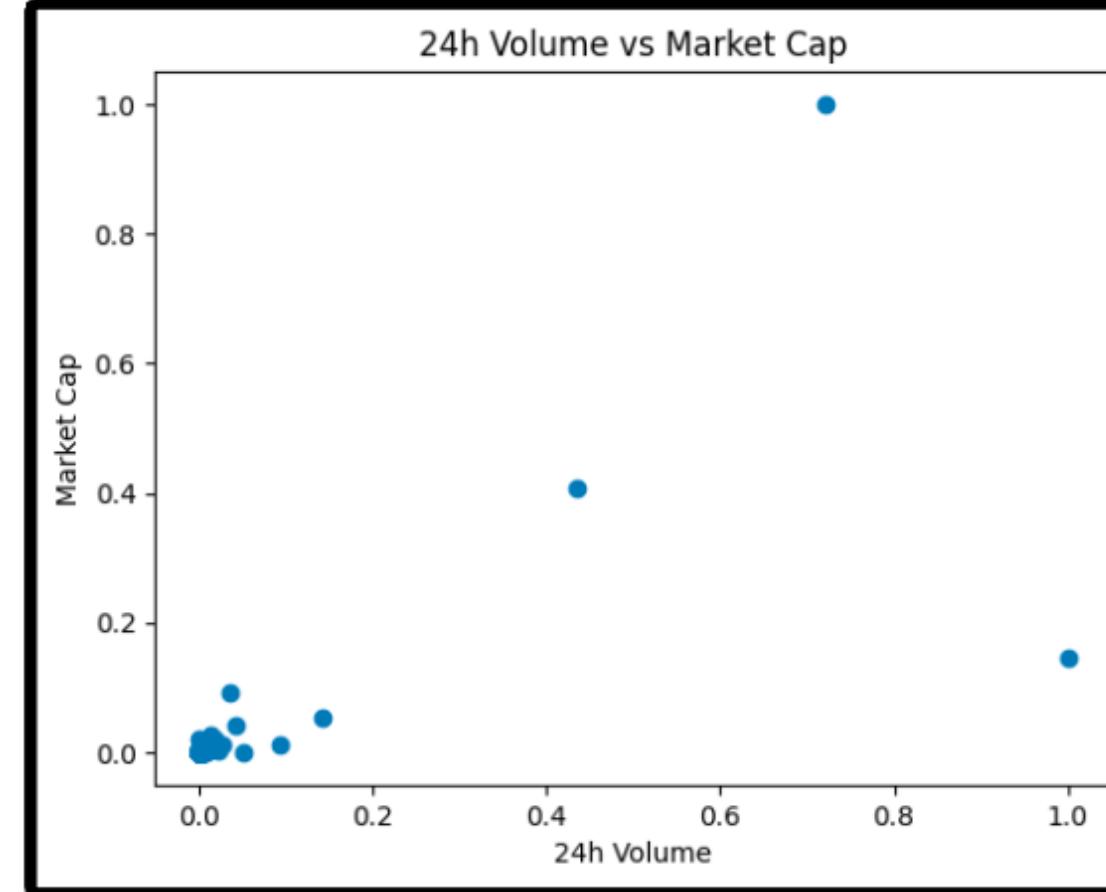
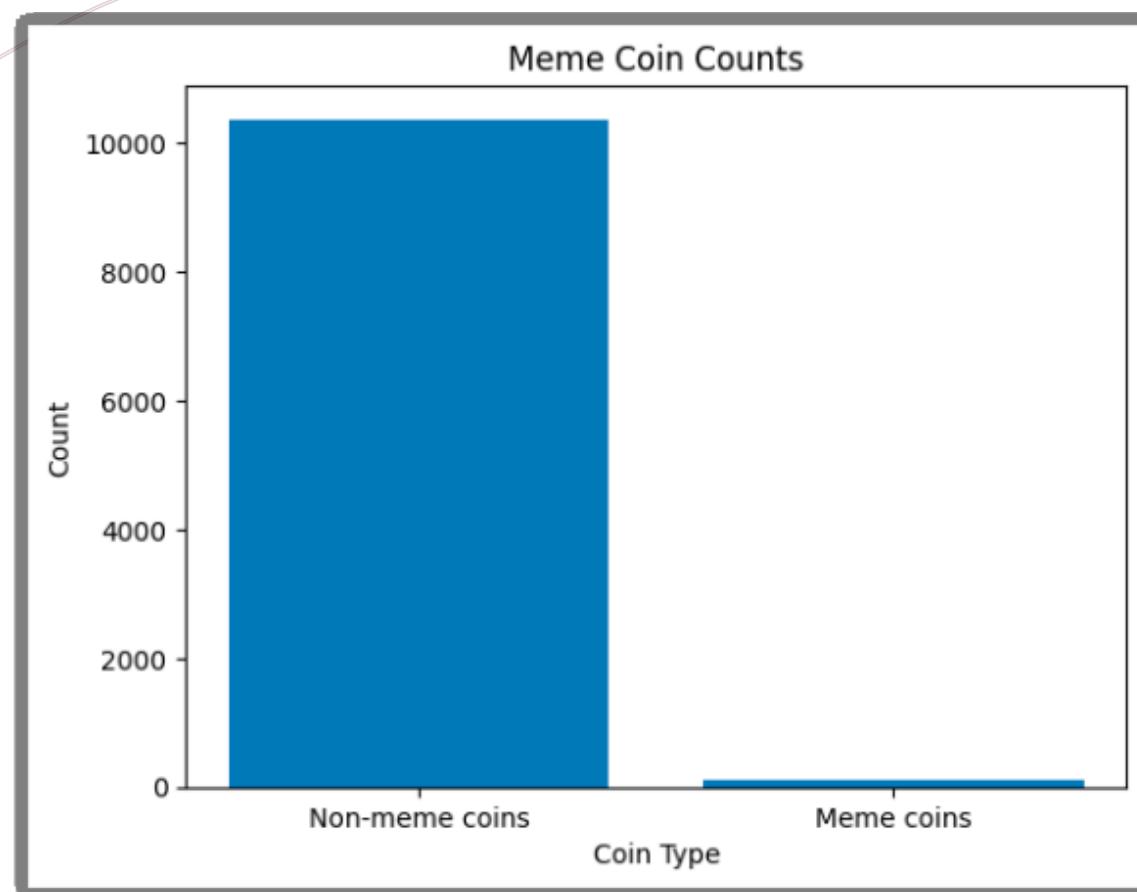


ABOUT THE DATA

The data for our predictive model was scraped from CoinGecko to give us the following features

Rank	Ticker	price	24h_Volume	Mtk_Cap	fdv	fdv_mkt	meme_coin
0	1.00	BTC	29627.22	30982594407.00	566299000000.00	614343000000.00	0.92
1	2.00	ETH	1918.24	18683433915.00	230023000000.00	230023000000.00	1.00
2	3.00	USDT	1.00	42968859467.00	81873392805.00	81873392805.00	1.00
3	4.00	BNB	334.45	1507107856.00	52645946607.00	66688437535.00	0.79
4	5.00	USDC	1.00	6147207092.00	30521305771.00	30519284292.00	1.00

EXPLORATORY DATA ANALYSIS



PREDICTIVE MODELS





HOW CAN THESE MODELS ADD VALUE?

+ INVESTMENT DECISIONS

A predictive model can help investors make informed decisions on whether to invest in a particular cryptocurrency or not. By analyzing various features such as market capitalization, trading volume, and fully diluted valuation, the model can predict the potential growth or decline of a cryptocurrency.

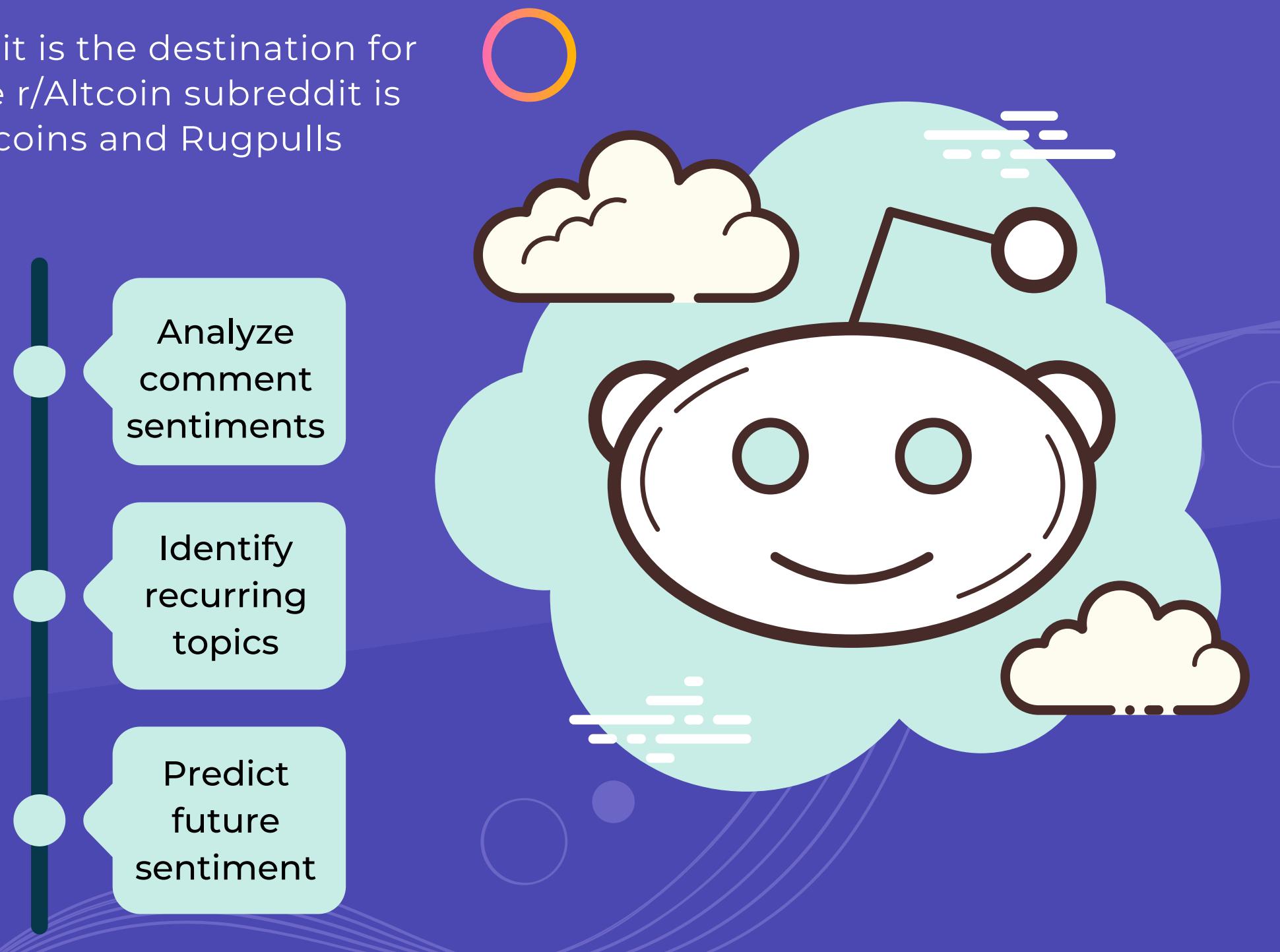
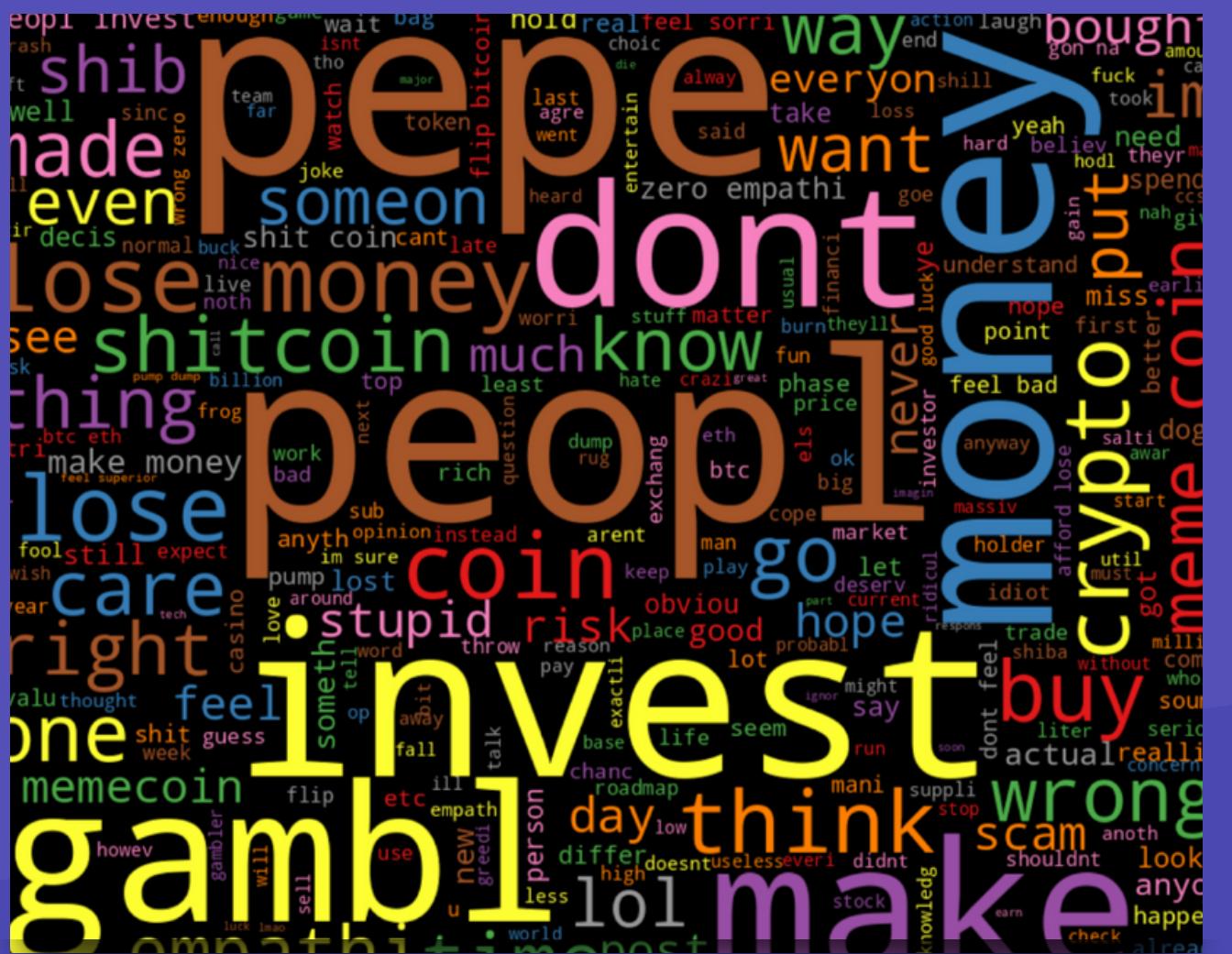
+ RISK ASSESSMENT

A predictive model can also be used for risk assessment in the cryptocurrency market. By predicting the likelihood of a cryptocurrency being a "shitcoin," investors can avoid risky investments and prevent potential losses.

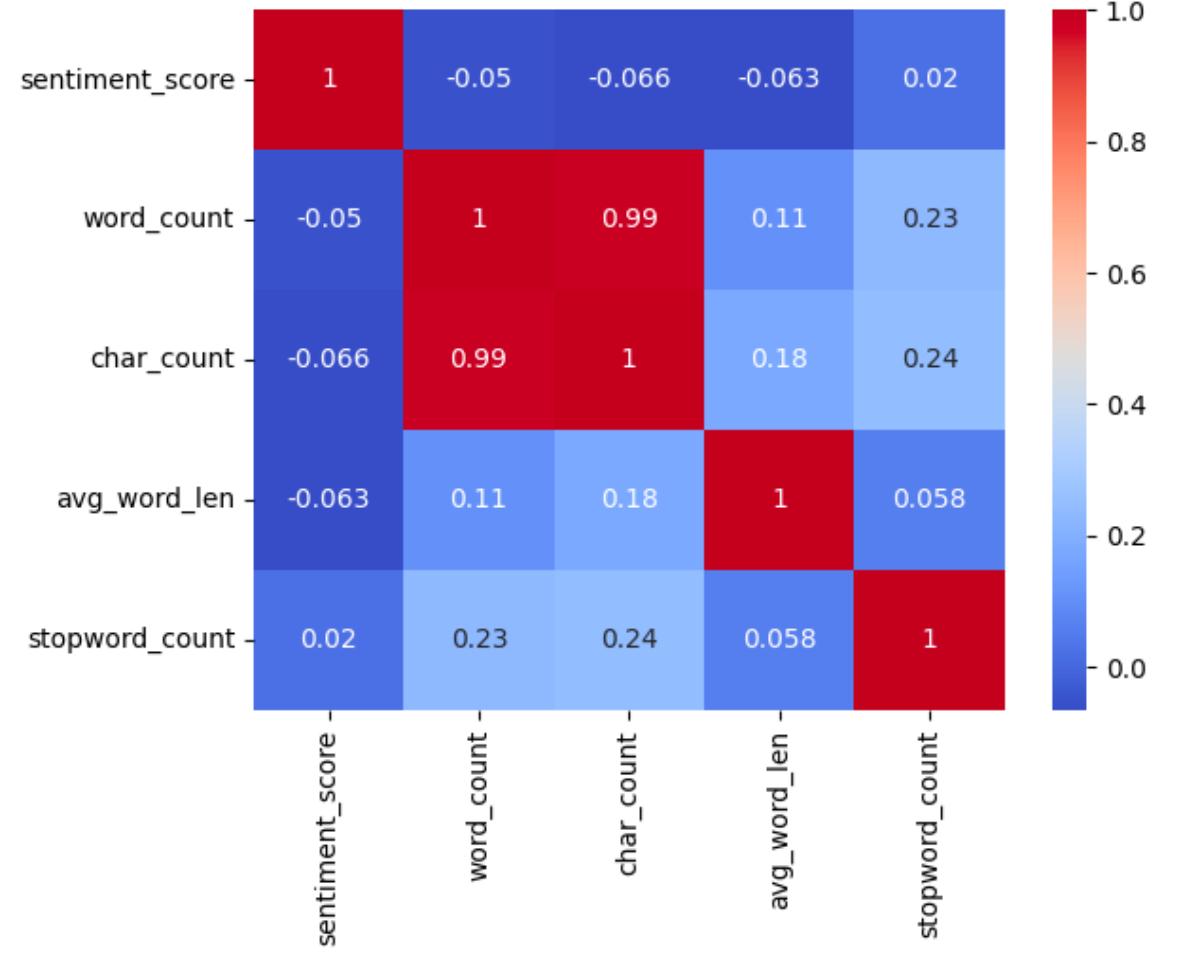
REDDIT SENTIMENT ANALYSIS



The crypto market is heavily sentiment-driven, and Reddit is the destination for all the conversations surrounding the crypto market. The r/Altcoin subreddit is one of Reddit's Original Crypto Subreddits. Altcoins, Shitcoins and Rugpulls

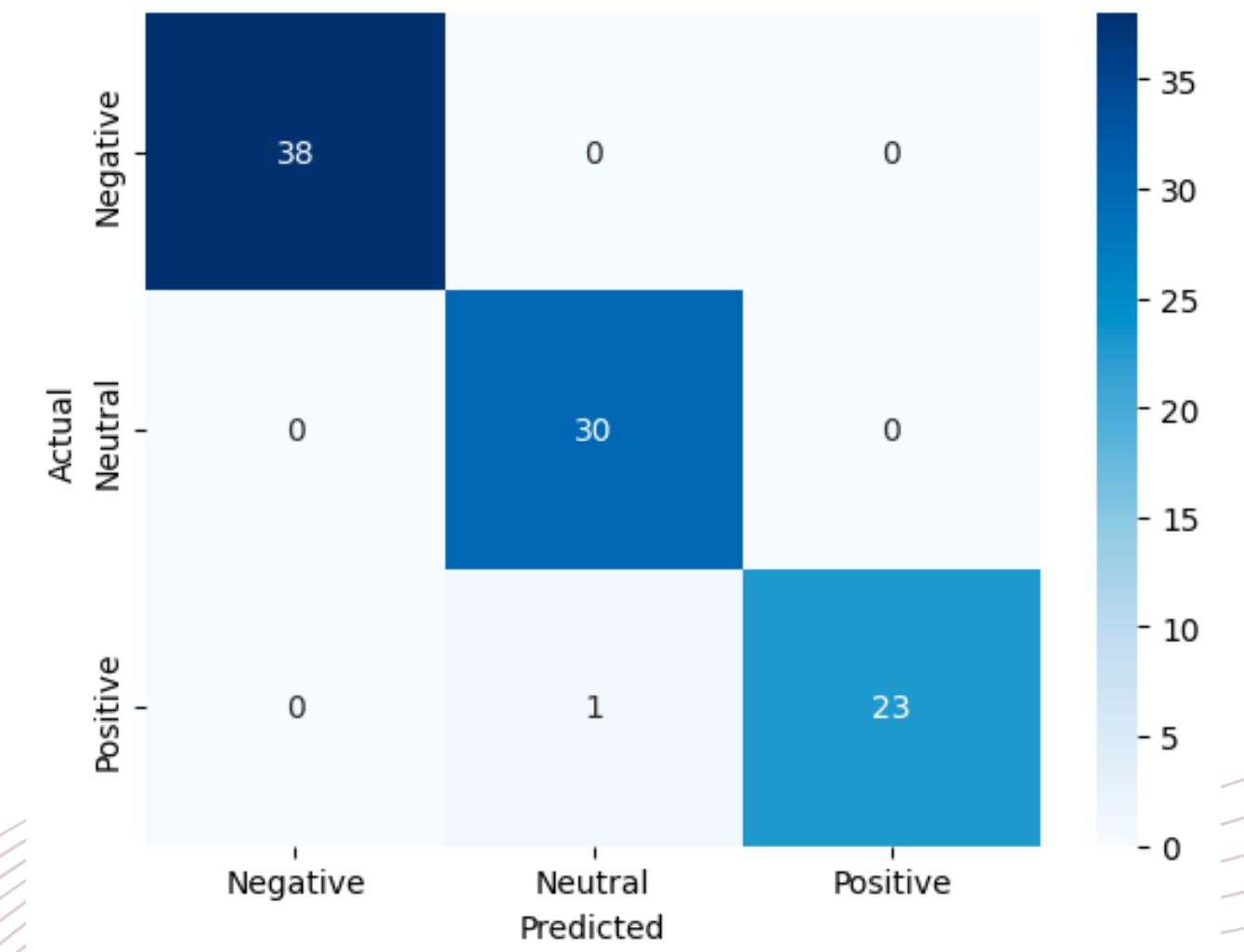
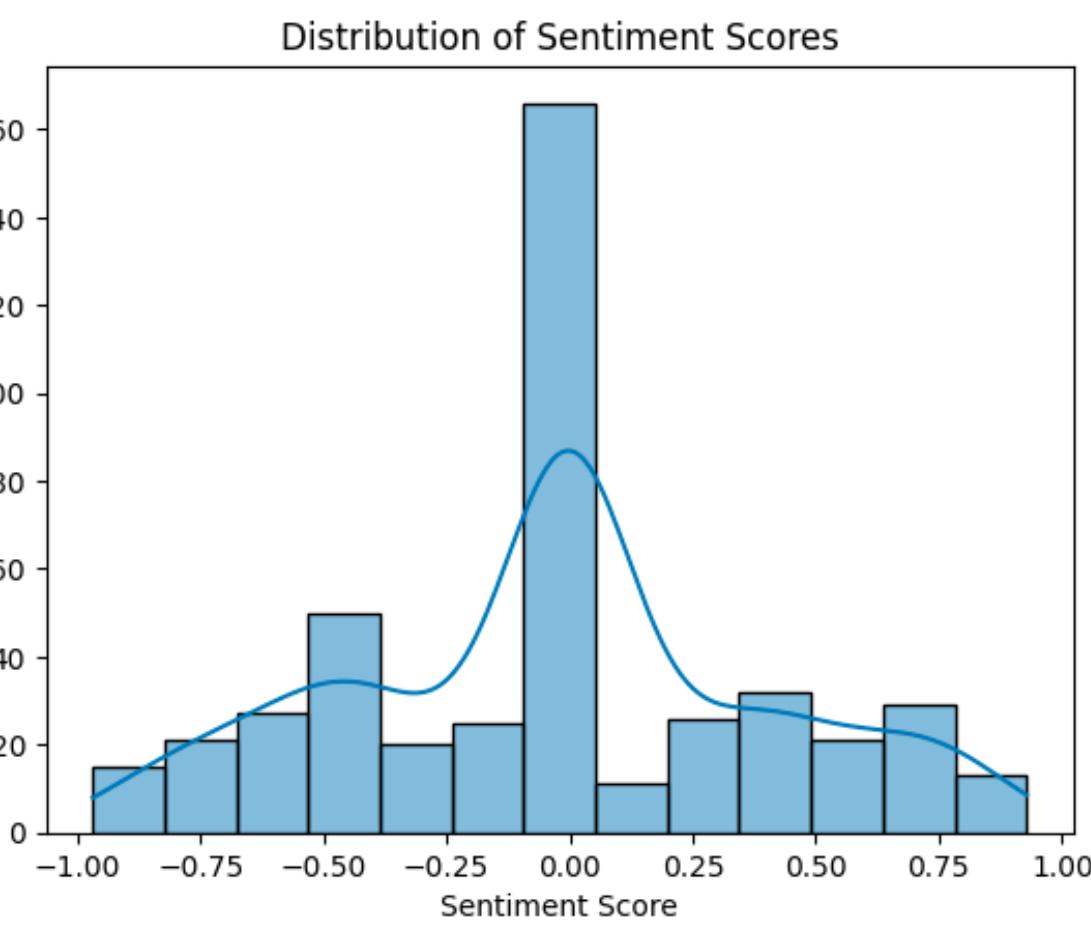


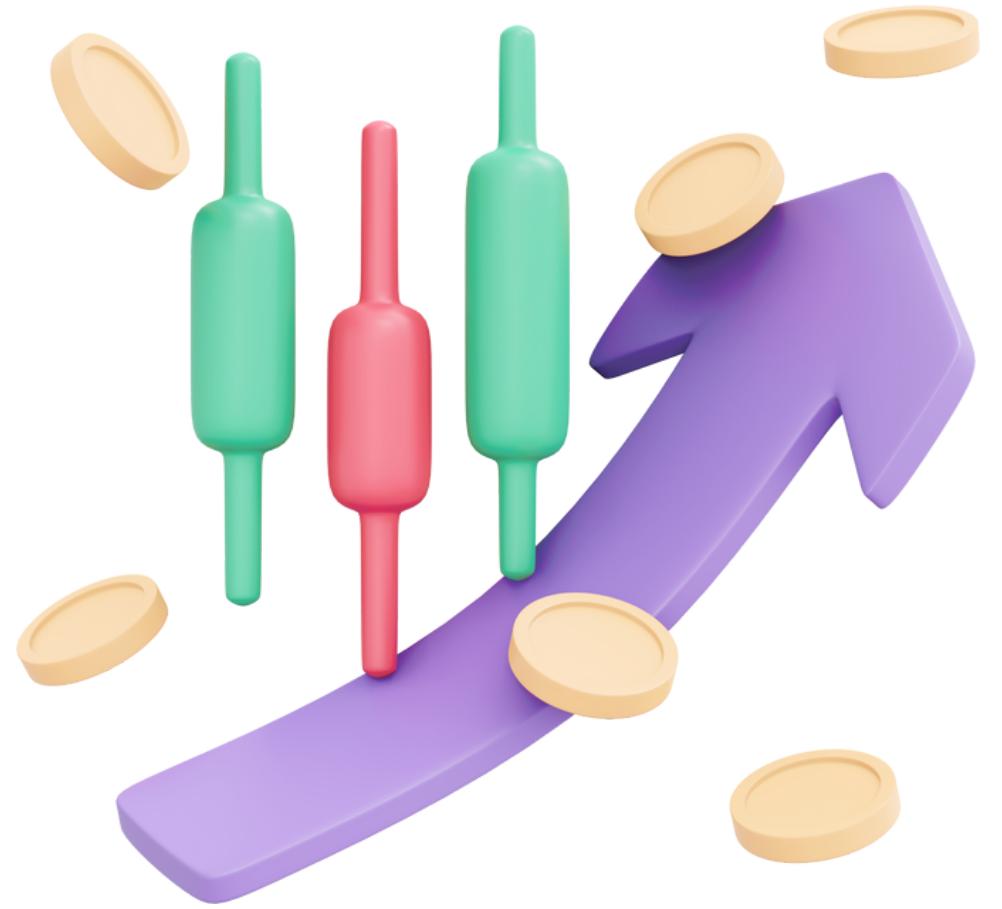
The data is taken from r/Altcoin and is a set of comments that are relevant to a variety of meme coins.



ABOUT THE DATA

: 0	comment	id	sentiment_score	word_count	char_count	avg_word_len	stopword_count	sentiment
0	would empathi someon invest lose money happen ...	1346f56	-0.4019	8	50	6.250000	0	negative
1	phase 3 flip bitcoin lol good luck	1346f56	0.8271	7	34	4.857143	0	positive
2	' horribl buy	1346f56	0.0000	3	13	4.333333	0	neutral
3	5xed	1346f56	0.0000	1	4	4.000000	0	neutral
4	one realli care	1346f56	0.4939	3	15	5.000000	0	positive



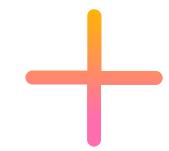


HOW CAN THESE MODELS HELP YOU?



IDENTIFYING TRENDS AND PATTERNS

In the crypto market, sentiment plays a critical role in shaping investor behavior and driving market movements. By analyzing sentiment data, we can gain valuable insights into how investors are feeling about different coins and the market as a whole.



UNDERSTANDING THE SENTIMENT OF THE MARKET

By tracking changes in sentiment over time, we can gain a better understanding of how the market is evolving and identify opportunities for investment or risk management.



INFORMED INVESTMENT DECISIONS

By understanding how investors are feeling about different coins and the market as a whole, we can identify undervalued assets with high growth potential, avoid risky investments, and make more profitable trades.



HOW DO THESE TWO ANALYSES COME TOGETHER?

- THEY PROVIDE A COMPREHENSIVE UNDERSTANDING OF THE CRYPTO MARKET.

The Coingecko analysis provides valuable information on the intrinsic characteristics of different cryptocurrencies, while the Reddit sentiment analysis provides insights into how investors perceive and react to these characteristics.

By combining information on the intrinsic features of cryptocurrencies with insights into investor sentiment and perception, investors can make more informed and data-driven decisions on which coins to invest in and which to avoid.





THANK YOU!