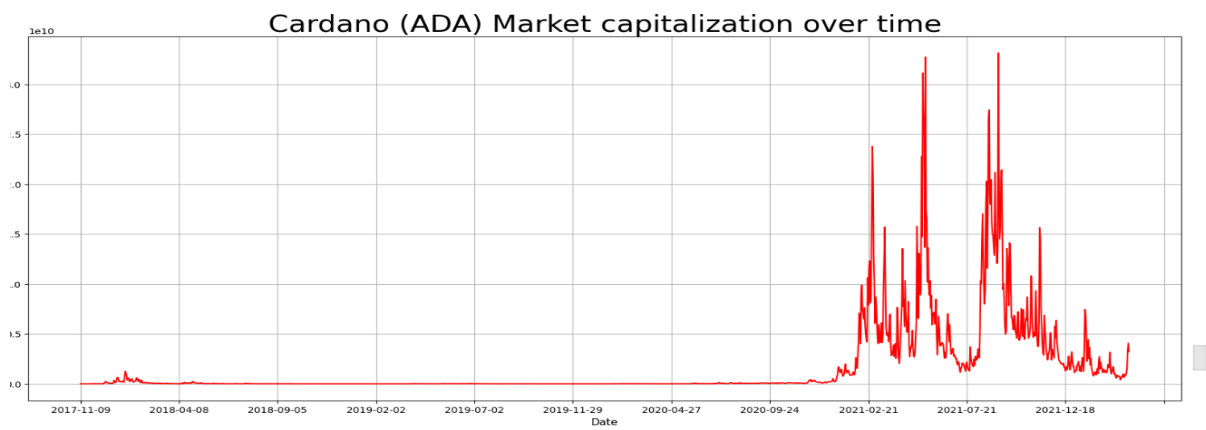
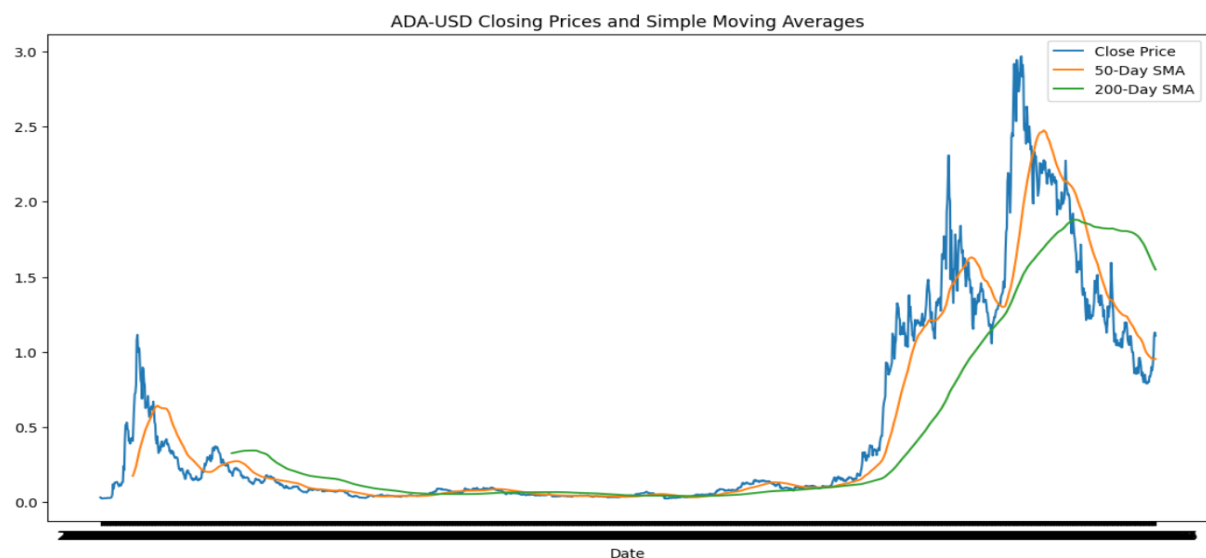


CRYPTOCURRENCY ANALYSIS

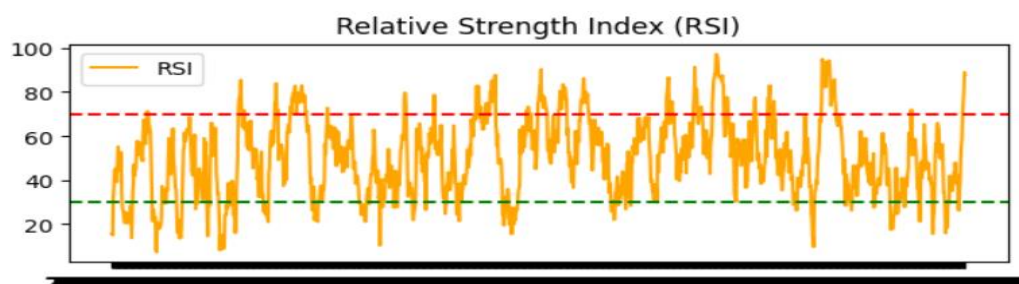
These analyses collectively offer a comprehensive view of Cardano's market behavior, illustrating the cryptocurrency's high volatility, speculative nature, and significant trend shifts from 2017 to 2022.



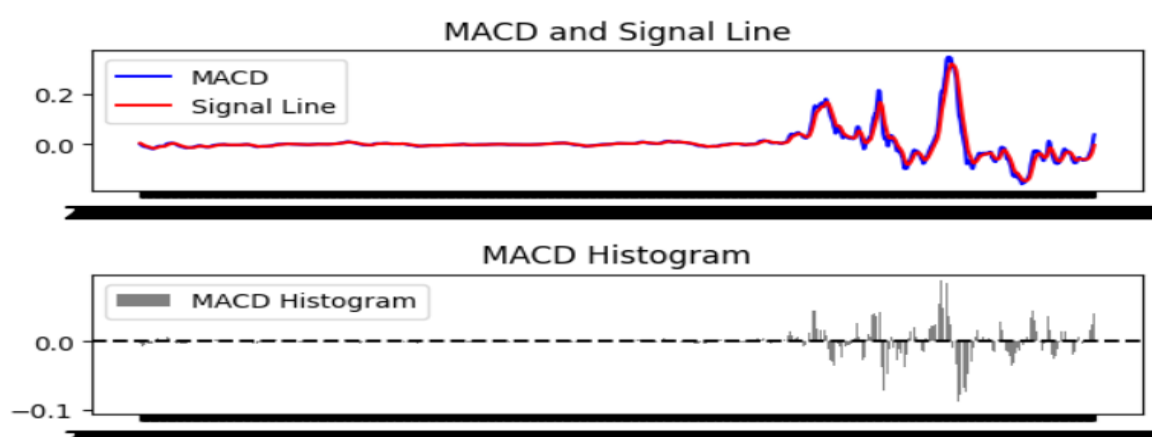
Market capitalization analysis provided insights into the overall valuation of Cardano over time: The market cap increased significantly during major price rallies, particularly in late 2017, early 2018, and mid-2021, reflecting increased investor interest and capital inflow. Periods of high market cap corresponded with price peaks, while subsequent declines in market cap reflected market corrections and reduced investor confidence post-bubble periods. The market cap also showcased the impact of trading volume on Cardano's valuation, with higher volumes generally supporting higher market cap during bullish periods.



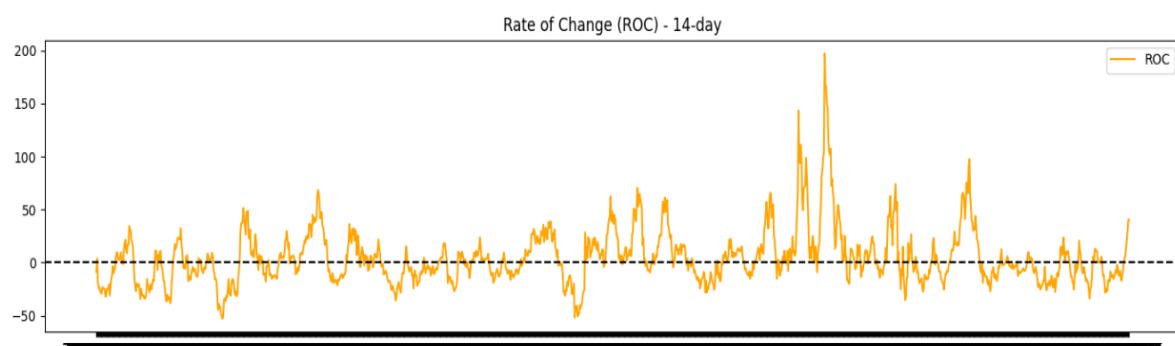
The analysis of Simple Moving Averages (50-day and 200-day) on the closing prices provided insights into long-term and short-term trends: The 50-day SMA often crosses above and below the 200-day SMA, acting as a signal for potential buy or sell actions. When the 50-day SMA moves above the 200-day SMA, it signals a bullish trend (buy signal), and when it moves below, it signals a bearish trend (sell signal). During the analyzed period, several such crossover points can be observed, indicating periods of trend reversals and the overall volatility of Cardano's market behavior.



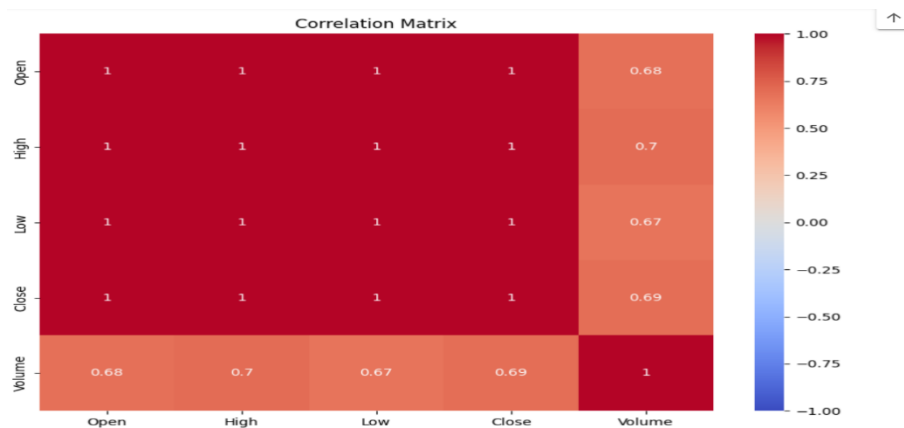
RSI values above 70 indicate that Cardano was overbought, suggesting potential for a price correction. This was evident at several points, notably during the price peaks in late 2017, early 2018, and mid-2021. RSI values below 30 suggest oversold conditions, implying a potential buying opportunity. This was observed during market corrections post the peaks, indicating potential entry points for investors looking for value buys



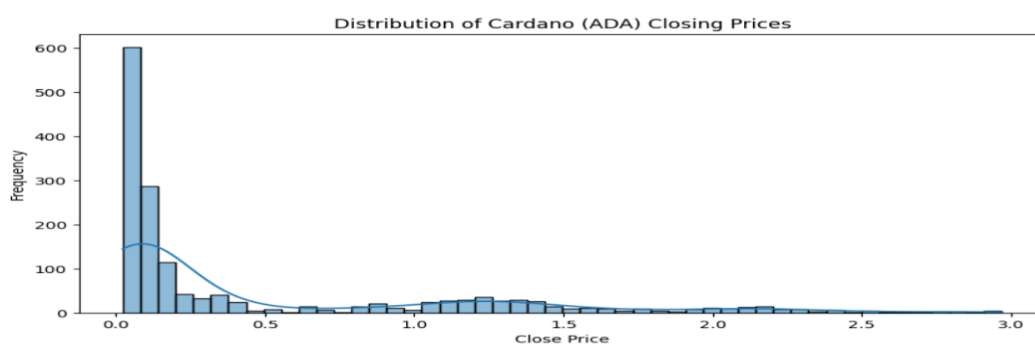
. The MACD analysis showed the momentum and trend strength of Cardano. The MACD line crossing above the Signal line typically indicated bullish momentum, while crossing below suggested bearish momentum. Significant divergences between the MACD line and the Signal line highlighted periods of strong trend changes, correlating with major price movements observed in the closing price analysis. The MACD histogram helped visualize the strength of these trends, with larger bars indicating stronger momentum in either direction .



The ROC graph illustrated the velocity of price changes: Positive ROC values indicated upward price momentum, while negative values showed downward momentum. Significant spikes in ROC corresponded with major price movements, both upward and downward, reflecting the volatility and rapid price changes in the Cardano market during the analyzed period



The Open price is highly correlated with the High, Low, and Close prices, with coefficients above 0.99. This suggests that changes in the opening price are closely followed by changes in the other price points throughout the trading day.



The histogram of closing prices showed the distribution and frequency of price levels: Most of the closing prices were concentrated at lower price levels, reflecting the early period of lower market valuation for Cardano. The right skewness of the histogram indicates that while high price points were less frequent, they were significant when they occurred, which corresponds to the speculative spikes observed during the bull runs.

Founders and Team: Cardano was founded by Charles Hoskinson, co-founder of Ethereum, and is developed by IOHK (Input Output Hong Kong), a blockchain research and development company.

Core Problem: Cardano aims to address scalability, sustainability, and interoperability issues in blockchain technology, improving the infrastructure for decentralized applications and smart contracts.

Technology and Features: Utilizing a proof-of-stake consensus mechanism called Ouroboros, Cardano emphasizes formal verification and peer-reviewed research to ensure robust and scalable solutions. It supports smart contracts and decentralized applications through its layered architecture.

Market Capitalization: As of July 24, 2024, Cardano's market capitalization is approximately \$13 billion.

Price: The current price of ADA is \$0.39 as of July 24, 2024.

Launch Date and Milestones: Launched in September 2017, Cardano has achieved significant milestones including the rollout of the Shelley upgrade (2020) and the Alonzo upgrade (2021) for smart contract capabilities.

Exchanges: Cardano is traded on major exchanges such as Binance, Coinbase, and Kraken.

Investors and Partnerships: Notable investors include IOHK's major backers and partnerships with various academic institutions and blockchain organizations, enhancing its development and research capabilities.