

# Cryptocurrency Market Analysis Report

## Introduction

This report provides a summary of the live cryptocurrency market data analysis for the top 50 cryptocurrencies. The analysis covers market capitalization, price trends, and volatility over the last 24 hours. Data has been fetched from a public API and updated every 5 minutes into an Excel sheet for real-time tracking.

## Data Source & Methodology

The data was sourced from CoinGecko API, fetching real-time information on the top 50 cryptocurrencies based on market capitalization. The following key metrics were analyzed:

- Current Price (USD)
- Market Capitalization
- 24-hour Trading Volume
- 24-hour Percentage Price Change

Data was processed using Python and stored in an Excel sheet that updates every 5 minutes.

## Key Insights

- The top cryptocurrency by market capitalization is **Bitcoin**.
- The highest performing cryptocurrency in the last 24 hours is **Cardano (15.70%)**.
- The lowest performing cryptocurrency in the last 24 hours is **MANTRA (-3.08%)**.
- The average price of the top 50 cryptocurrencies is **\$4,256.07**.

## Conclusion

This analysis provides valuable insights into cryptocurrency market trends, helping investors understand short-term price fluctuations and overall market performance. Continuous monitoring is essential due to the highly volatile nature of the crypto market.