# Live Cryptocurrency Data Analysis Report

Name: Bathula Srii Thejaswi

## 1. Introduction

This report provides an analysis of the live data fetched for the top 50 cryptocurrencies. The data is sourced from the CoinGecko API and includes key metrics such as current price, market capitalization, and 24-hour price changes. The purpose is to understand the state of the cryptocurrency market.

## 2. Data Overview

The data includes the following fields for the top 50 cryptocurrencies:  
- Cryptocurrency Name  
- Symbol  
- Current Price (USD)  
- Market Capitalization (USD)  
- 24-hour Trading Volume (USD)  
- 24-hour Percentage Change (%)

## 3. Analysis

### 3.1 Top 5 Cryptocurrencies by Market Cap

The following are the top 5 cryptocurrencies by market capitalization:  
1. Bitcoin (BTC)  
2. Ethereum (ETH)  
3. Tether (USDT)  
4. Binance Coin (BNB)  
5. XRP

### 3.2 Average Price of Top 50 Cryptocurrencies

The average price of the top 50 cryptocurrencies is approximately $4276.86.

### 3.3 Highest and Lowest 24-hour Percentage Changes

The cryptocurrency with the highest 24-hour price change is HEDERA Coin with a change of +34.71%. The cryptocurrency with the lowest 24-hour price change is BITTENSOR Coin with a change of -8.22%.

## 4. Conclusion

This analysis highlights the dominance of Bitcoin and Ethereum in the cryptocurrency market. The market remains highly volatile, as evidenced by the significant price changes observed within a 24-hour period.



