

# Crypto-currency Market Analysis Report

## **1. Overview of the Analysis:**

This report summarizes the live data fetched for the top 50 crypto-currencies by market capitalization. The analysis focuses on key metrics, including current prices, market capitalization, trading volume, and price change over the past 24 hours.

## **2. Data Insights:**

Top 5 Crypto-currencies by Market Capitalization:

- I. Bitcoin (BTC): -  
Market Cap: \$850 Billion  
Current Price: \$45,000 USD  
24-hour Change: +6.7%
  
- II. Ethereum (ETH): -  
Market Cap: \$400 Billion  
Current Price: \$3,000 USD  
24-hour Change: +4.3% -
  
- III. Tether (USDT): -  
Market Cap: \$80 Billion  
Current Price: \$1 USD  
24-hour Change: 0% (Stablecoin)
  
- IV. Binance Coin (BNB): -  
Market Cap: \$60 Billion  
Current Price: \$340 USD  
24-hour Change: +2.1%

- V. XRP (XRP): -  
Market Cap: \$50 Billion  
Current Price: \$1.1 USD  
24-hour Change: +3.2%

### **Average Price of the Top 50 Cryptocurrencies:-**

The average price of the top 50 cryptocurrencies is \$3,350. This is a representation of the weighted mean price across the top 50 cryptocurrencies, including high-value coins like Bitcoin and Ethereum, as well as stablecoins.

### **Price Change Analysis (24-Hour):-**

Highest 24-hour Price Change: - Bitcoin (BTC) saw the highest positive price change of +6.7% in the past 24 hours, indicating significant market movement.

### **Lowest 24-hour Price Change:-**

Shiba Inu (SHIB) saw the lowest price change with a -5.4% decrease, highlighting volatility in meme coins.

## **3. Conclusion:**

This report captures the latest trends in the cryptocurrency market. While major coins like Bitcoin and Ethereum are seeing positive growth, smaller altcoins and meme tokens can exhibit higher volatility, with some showing substantial losses in short periods. The live-updating system ensures that the data reflects real-time changes, providing valuable insights for traders and analysts. Regular monitoring of such data is crucial for making informed decisions in the fast-moving crypto space.

#### **4. Recommendations:**

Based on this analysis, it is recommended that:-

- Investors stay updated on the top 5 cryptocurrencies by market capitalization, which are more likely to experience stable growth.
- Traders monitor high-volatility coins such as Shiba Inu for short-term profit opportunities, but with caution.
- Further analysis could be performed on trends over time, focusing on 7-day, 30-day, or 90-day price movements.

#### **5. Appendix:**

Data Sources: CoinGecko API.

Tools Used: Python, Pandas, OpenPyXL, Requests, Excel.