**Cryptocurrency Data Analysis Report**

Date & Time: 2025-03-03 23:02:46

1. Overview This report summarizes the live cryptocurrency data fetched from the CoinGecko API, highlighting key market trends, top cryptocurrencies, and relevant statistical insights. The dataset consists of the top 50 cryptocurrencies by market capitalization, updated every 5 minutes.
2. Top 5 Cryptocurrencies by Market Capitalization

| **Rank** | **Name** | **Market Cap (USD)** |
| --- | --- | --- |
| 1 | Bitcoin | 1,789,981,519,701 |
| 2 | Ethereum | 274,709,261,178 |
| 3 | XRP | 150,656,571,694 |
| 4 | Tether | 142,336,747,991 |
| 5 | BNB | 86,729,239,476 |

These cryptocurrencies hold the highest market capitalizations, with Bitcoin leading the market.

1. Market Trends & Analysis

A. Average Price of Top 50 Cryptocurrencies:

* The average price among the top 50 cryptocurrencies is $5,696.40.

B. Highest & Lowest 24-Hour Price Change:

* Highest Gainer: WhiteBIT Coin (+8.83%)
* Biggest Loser: XRP (-11.38%)

1. Live Data & Excel Sheet Updates

* The script updates the data every 5 minutes.
* A real-time Excel sheet (crypto\_data.xlsx) stores live price updates.
* The latest timestamp for data update: 2025-03-03 23:02:46.

1. Conclusion & Next Steps The cryptocurrency market remains highly volatile, with significant price fluctuations observed within the last 24 hours. The highest gainer, WhiteBIT Coin, saw a +8.83% increase, while XRP experienced a -11.38% decline. Bitcoin continues to dominate the market with a capitalization of nearly $1.79 trillion.

Action Items:

* Confirm that the Excel file is auto-updating without manual refresh.
* Upload the Excel sheet to Google Drive/OneDrive and generate a shareable link.
* Submit this report along with the Excel link for final assessment.

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Project: Cryptocurrency Market Analysis

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