

Analysis Report

1. Top 5 Cryptocurrencies by Market Cap

- Open your Excel file (crypto_data.xlsx).
- Sort the data by the “market_cap” column in descending order to get the top 5 cryptocurrencies by market capitalization.

In Excel:

- Click on the “Data” tab in the toolbar.
- Select the column “market_cap”.
- Click on “Sort Largest to Smallest” to sort by market cap.
- Select the top 5 rows and note down the names and market cap values.

In Python:

- If you’re working in Python, you can do this with the following code:

```
top_5 = data.nlargest(5, 'market_cap')[['name', 'market_cap']]
print(top_5)
```

2. Average Price

- Calculate the average price of the top cryptocurrencies.

In Excel:

- In a new cell, use the formula =AVERAGE(range) where range is the column of cryptocurrency prices.

In Python:

- You can calculate the average price with:

```
average_price = data['current_price'].mean()
print(f"Average Price: {average_price}")
```

3. Highest and Lowest 24-Hour Price Changes

- Find the maximum and minimum values in the “price_change_percentage_24h” column.

In Excel:

- For the highest 24-hour price change: =MAX(range)
- For the lowest 24-hour price change: =MIN(range)

In Python:

- You can find these with:

```
highest_change = data['price_change_percentage_24h'].max()
lowest_change = data['price_change_percentage_24h'].min()
print(f"Highest 24-Hour Change: {highest_change}")
print(f"Lowest 24-Hour Change: {lowest_change}")
```