Financial Analytics

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Introduction

This report provides an analysis of a financial dataset containing information on 488 companies. The data includes market capitalization and quarterly sales, with some missing values in both columns. The analysis focuses on market share distribution, sales performance, and the relationship between market capitalization and sales.

Data Overview

Number of Companies: 488

Columns:

- **S.No.:** Serial number of the company.
- **Name:** Company name.
- **Mar Cap - Crore:** Market Capitalization in Crore (Indian Rupees).
- **Sales Qtr - Crore:** Quarterly Sales in Crore (Indian Rupees).

Missing Data:

- **Market Capitalization:** Missing in 9 entries.
- **Quarterly Sales:** Missing in 29 entries.

Market Share Analysis

The market share for each company was calculated as a percentage of the total market capitalization. The top 10 companies by market share are visualized in the following bar chart:

Top 10 Companies by Market Share:

- **Reliance Industries** leads with a market share of **4.31%**.
- **TCS** and **HDFC Bank** follow with **4.17%** and **3.57%**, respectively.

Top 10 Companies by Market Share

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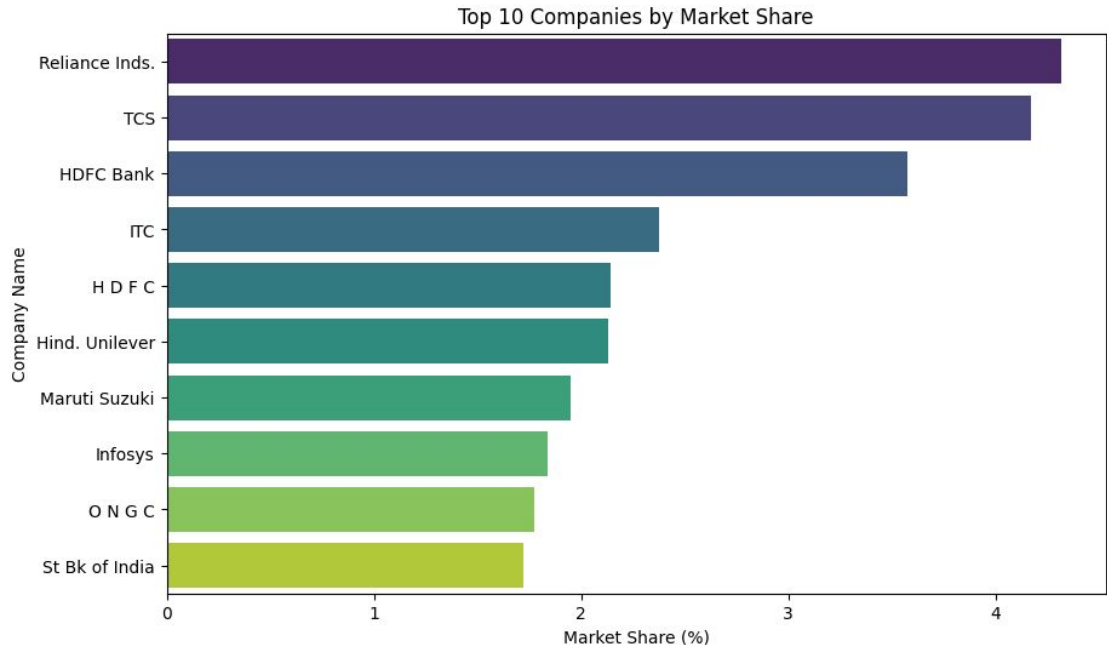
Sales Performance Analysis


Distribution of Company by Quraterly Sales
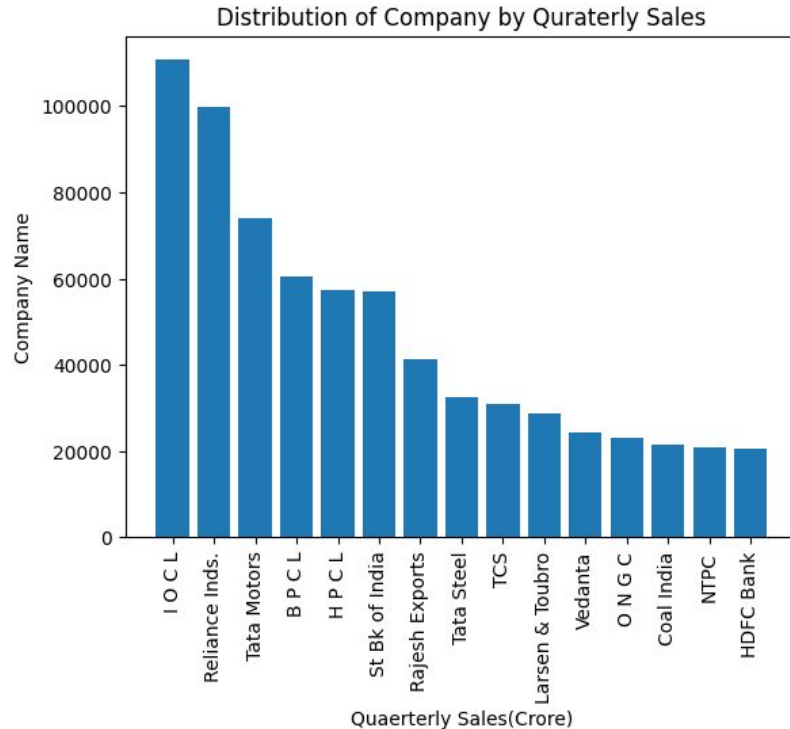
The top 15 companies by quarterly sales were visualized using a bar chart. This highlights the companies with the highest sales in the most recent quarter. These companies represent a significant portion of the market's total revenue.

Correlation Analysis

A correlation analysis was conducted to understand the relationship between market capitalization and quarterly sales. The correlation matrix showed the following:

- **Market Cap and Sales:** A moderate positive correlation, indicating that companies with higher market capitalization tend to have higher quarterly sales, though this relationship is not perfectly linear.

Correlation Matrix

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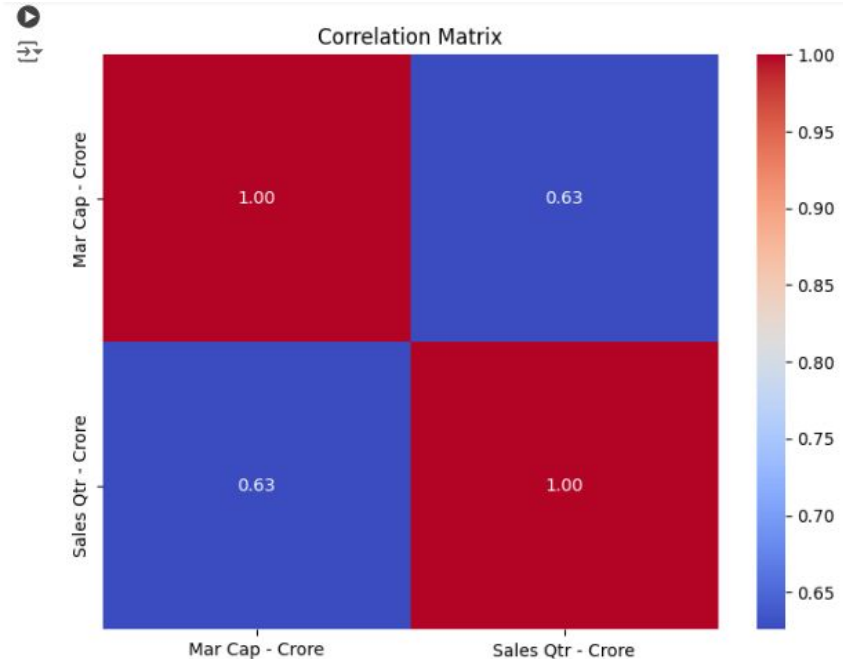
Conclusion

The analysis provides valuable insights into the financial standings of the top companies in the dataset. The visualization of market share and the correlation between market cap and sales can guide further strategic decisions.