INTRODUCTION

- Financial analytics refers to the process of analyzing financial data to derive insights, make informed decisions, and drive business strategies. It involves the examination of various financial metrics, trends, and patterns to understand the financial health and performance of an organization.
- Without analyzing the competition, it is challenging for any business to thrive.
- In this project, our goal is to provide comprehensive insights into the competitive landscape, enabling informed decision-making for management.
- we aim to empower management with actionable insights for strategic planning and competitive advantage..

OBJECTIVES

- To decode the dynamic market conditions and complex relationships.
- To find which company among the top 5 companies, boasts the highest Quarterly Sales.
- To find which company among the top 5 companies, has highest market capitalization.
- To understand the distributional characteristics and identify outliers in Market Capitalization and Quarterly Sales data, facilitating insights into the concentration and variability of financial metrics for strategic decision-making.
- To find relation between Market Capitalization and Quarterly Sales
- To analyze the trend patterns in Quarterly Sales over time and discern distinct phases of stability and growth, providing insights into the temporal dynamics of sales performance for strategic planning and forecasting.

OBJECTIVES

- To identify temporal trends and variations in sales performance, discerning periods of stability and growth for strategic planning and forecasting.
- To forecast future sales trends and anticipate business growth by analyzing historical data and identifying underlying patterns for informed decision-making.
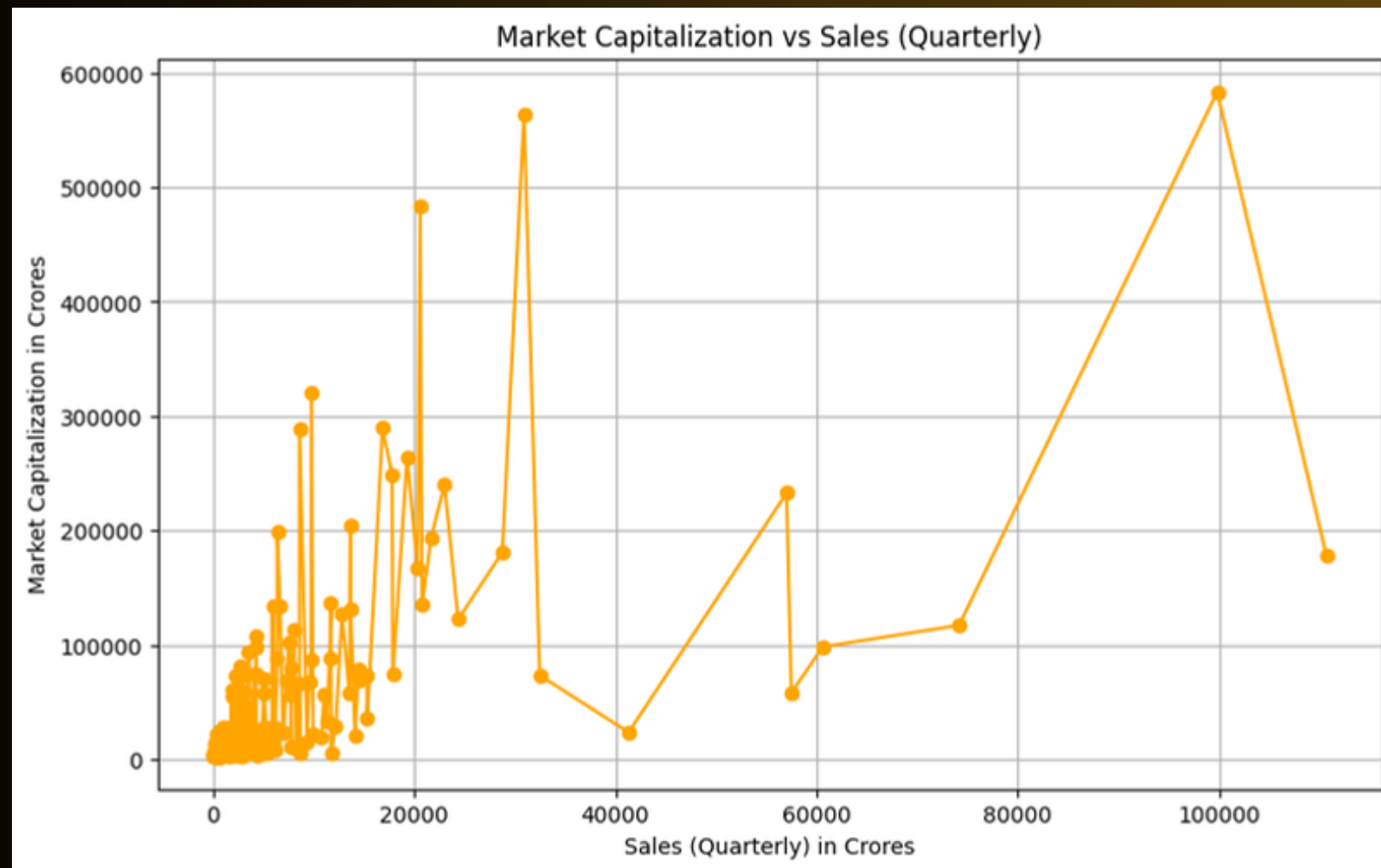
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DETAILS OF DATA

- The dataset provided for your financial analytics project contains information on the market capitalization and quarterly sales of the top 500 companies in India.
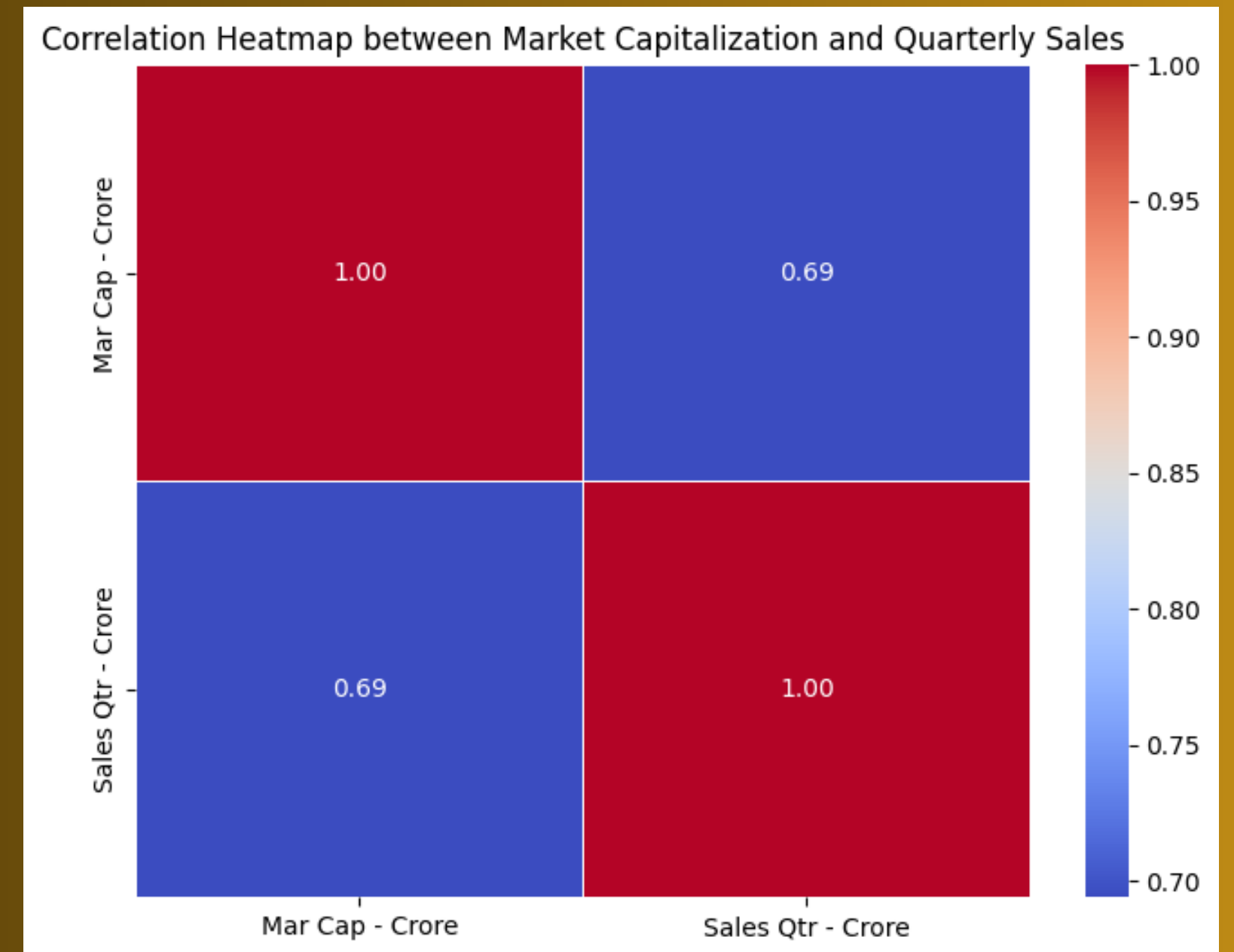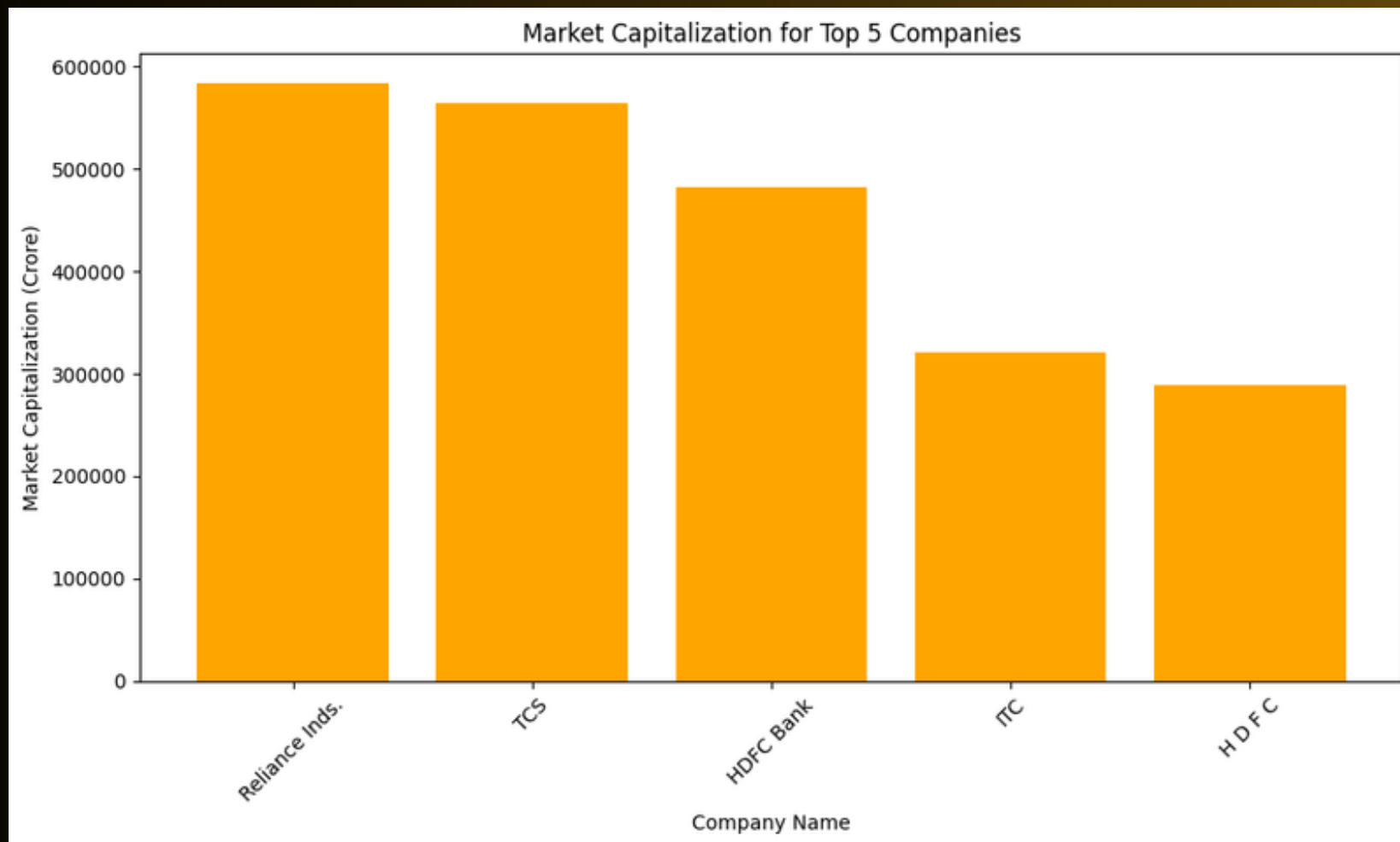
DATA CLEANING

- Initially data contains some missing values then the row which cntains missing values are removed using MS Excel.
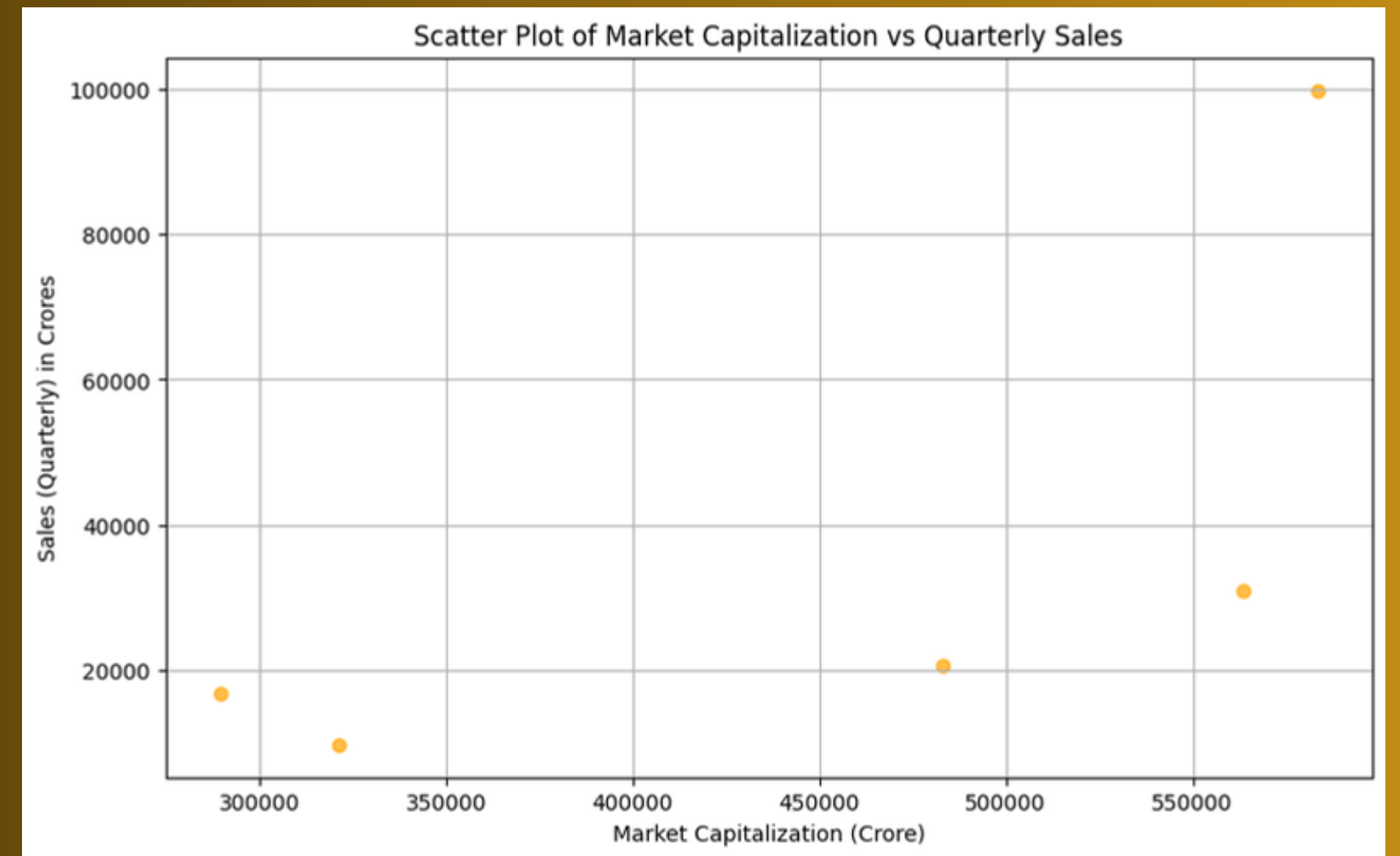
DATA ANALYSIS
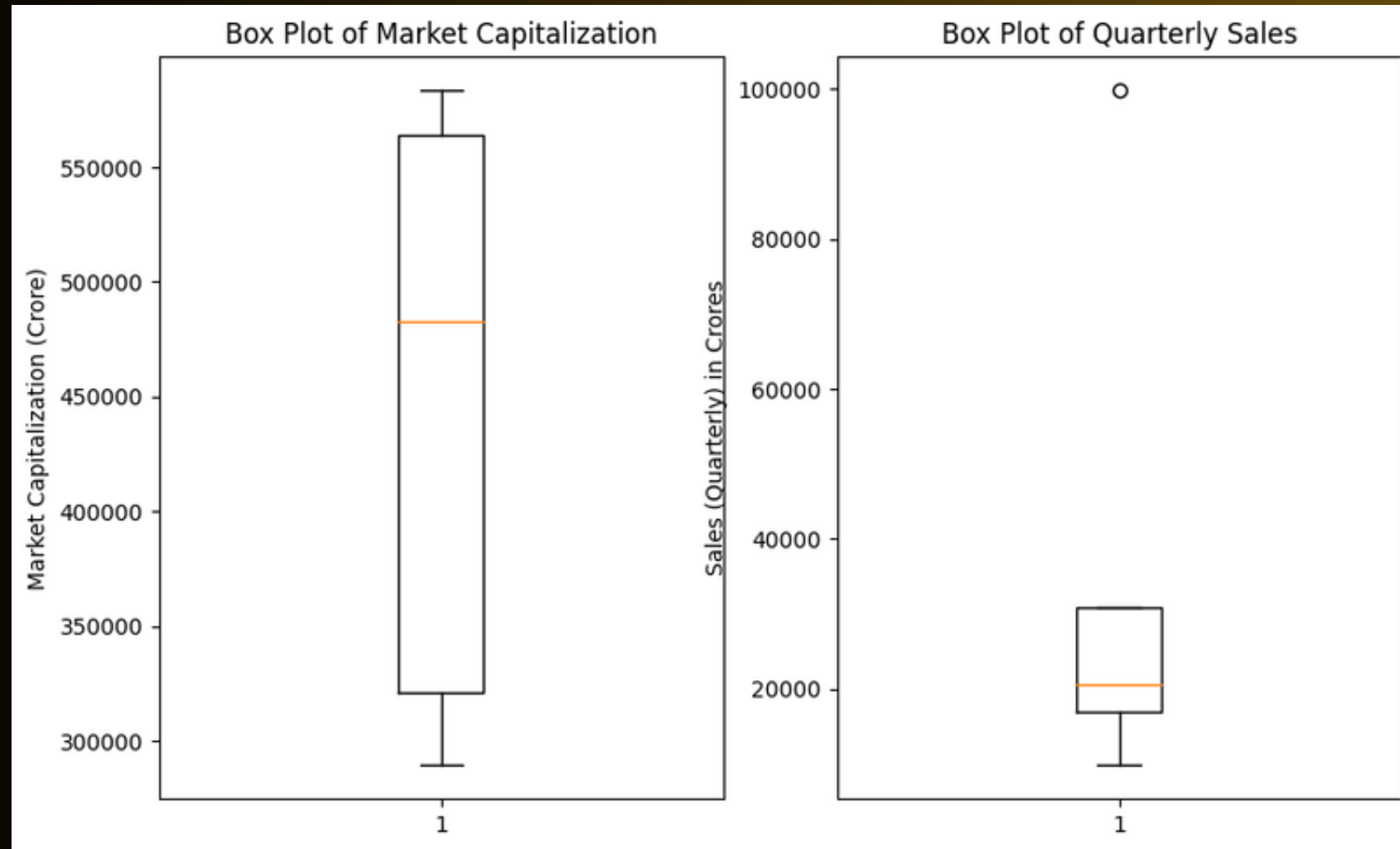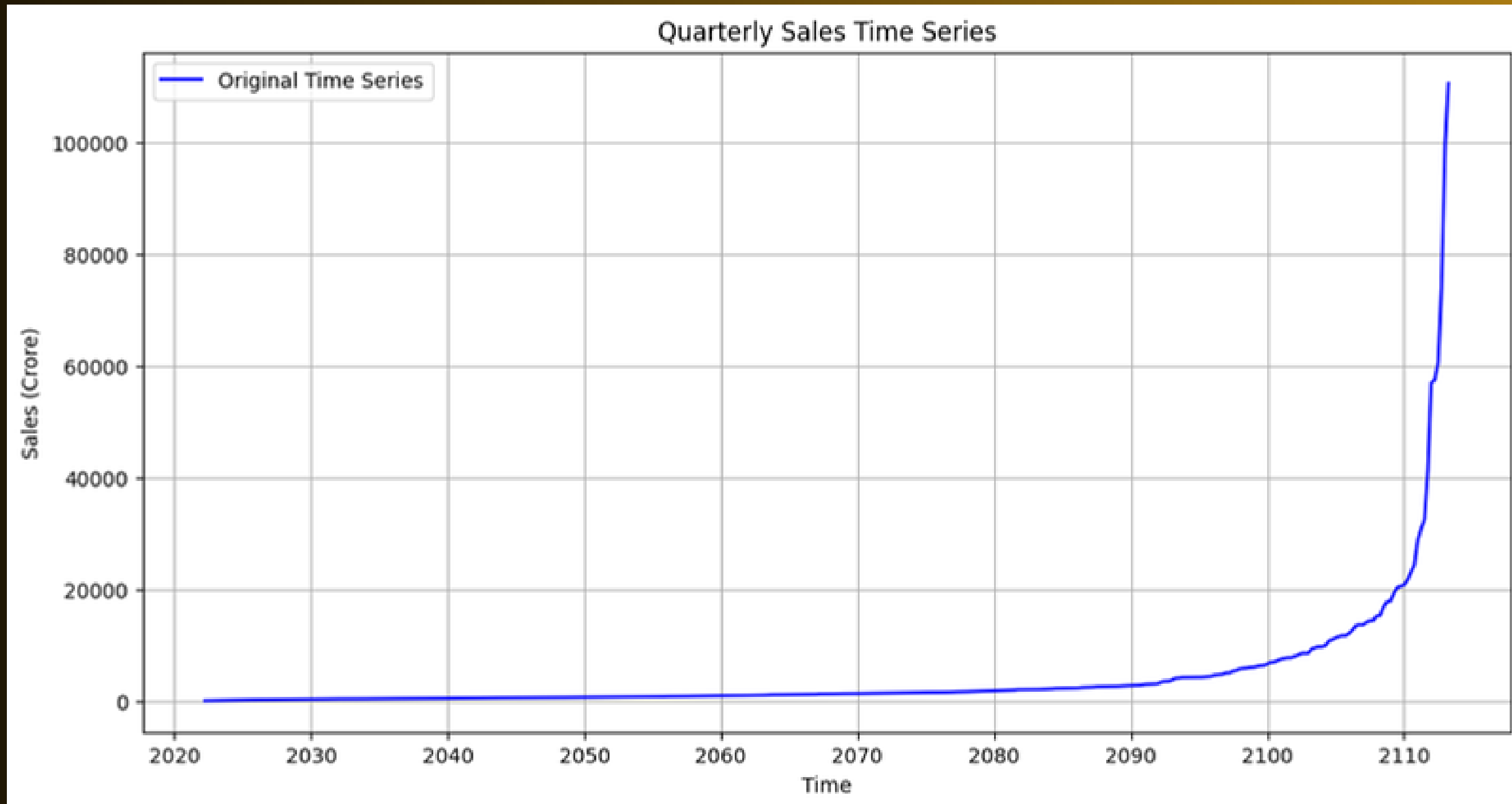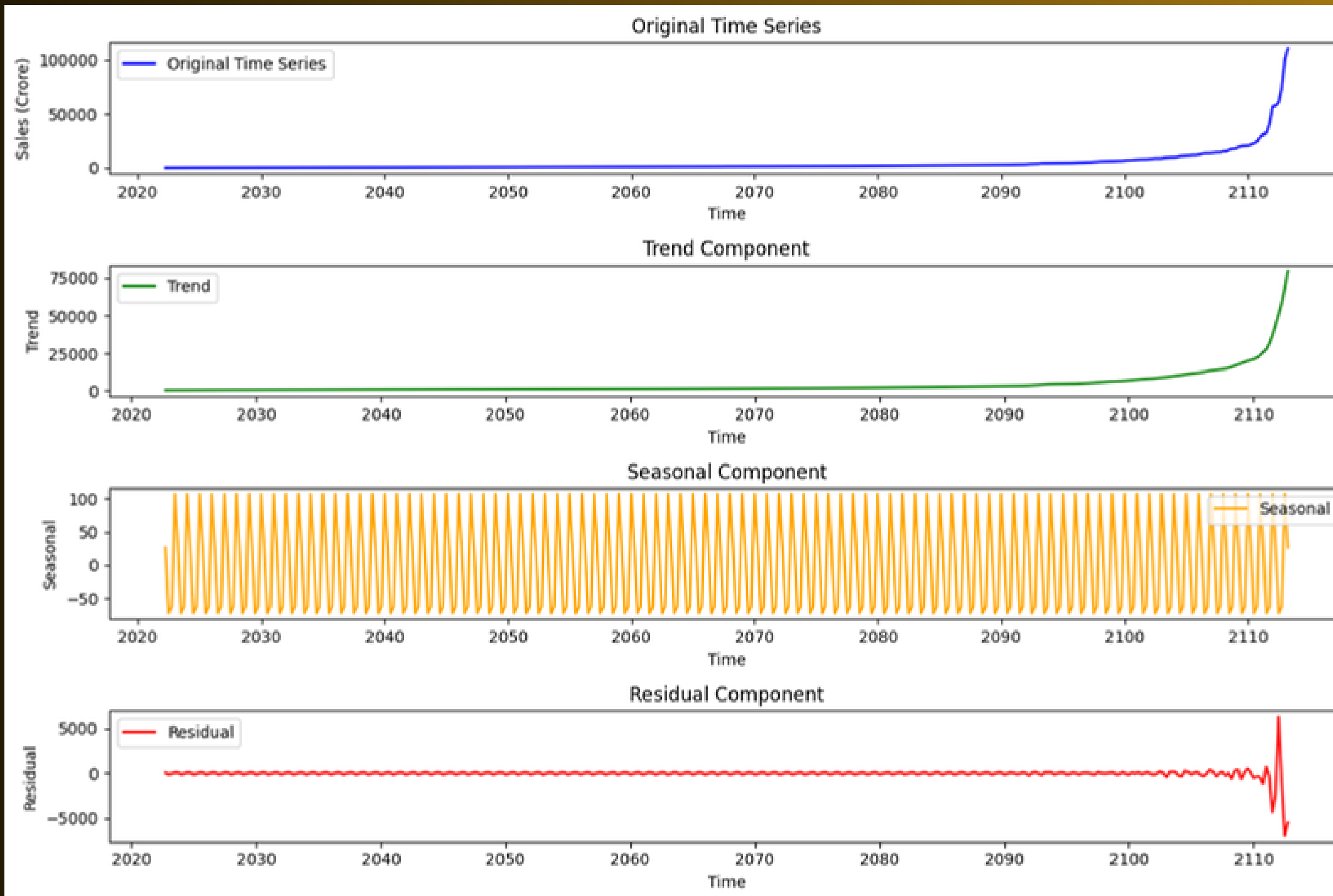
DATA ANALYSIS

DATA ANALYSIS

TIME SERIES ANALYSIS

Quarterly Sales Time Series

Original Time Series, Trend, and Forecast

DASHBOARD

Finantial Analytics Dashboard

Total Market Capital	Avg. Market Capital	Total Quarterly Sales	Avg. Quarterly Sales
11.42M	31.30K	91K	4.40K

Relation between Sum of Sales Qtr - Crore and Sum of Mar Cap - Crore for top 5 companies

Relation between Sum of Mar Cap - Crore and Name for top 5 companies by Mar cap crore

Mar Cap - Crore ● 289497.37 ● 320985.27 ● 482953.59

- Reliance Inds. 0.58M
- TCS 0.56M
- HDFC Bank 0.48M
- ITC 0.32M
- H D F C 0.29M

Relation between Sum of Sales Qtr - Crore and Name for top 5 companies by mar cap crore

Mar Cap - Crore ● 289497.37 ● 320985.27 ● 482953.59 ● 563709.84

- H D F C 5
- ITC 4
- HDFC Bank 3
- TCS 2
- Reliance Inds. 1

total sales

Sum of Mar Cap - Crore by Sales Qtr - Crore

Relation between Sum of Mar Cap - Crore and Name for top 5 companies by Sales qtr -crore

Sales Qtr - Cr... ● 9772.02 ● 16840.51 ● 20581.27 ● 30904

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Relation between Sum of Sales Qtr - Crore and Name for top 5 companies by Sales Qtr - crore

Sales Qtr - Cro... ● 9772.02 ● 16840.51 ● 20581.27 ● 30904

- Reliance Inds. 100K — 99.81K
- TCS 31K — 30.90K
- HDFC Bank 21K — 20.58K
- H D F C 17K — 16.84K
- ITC 10K — 9.77K

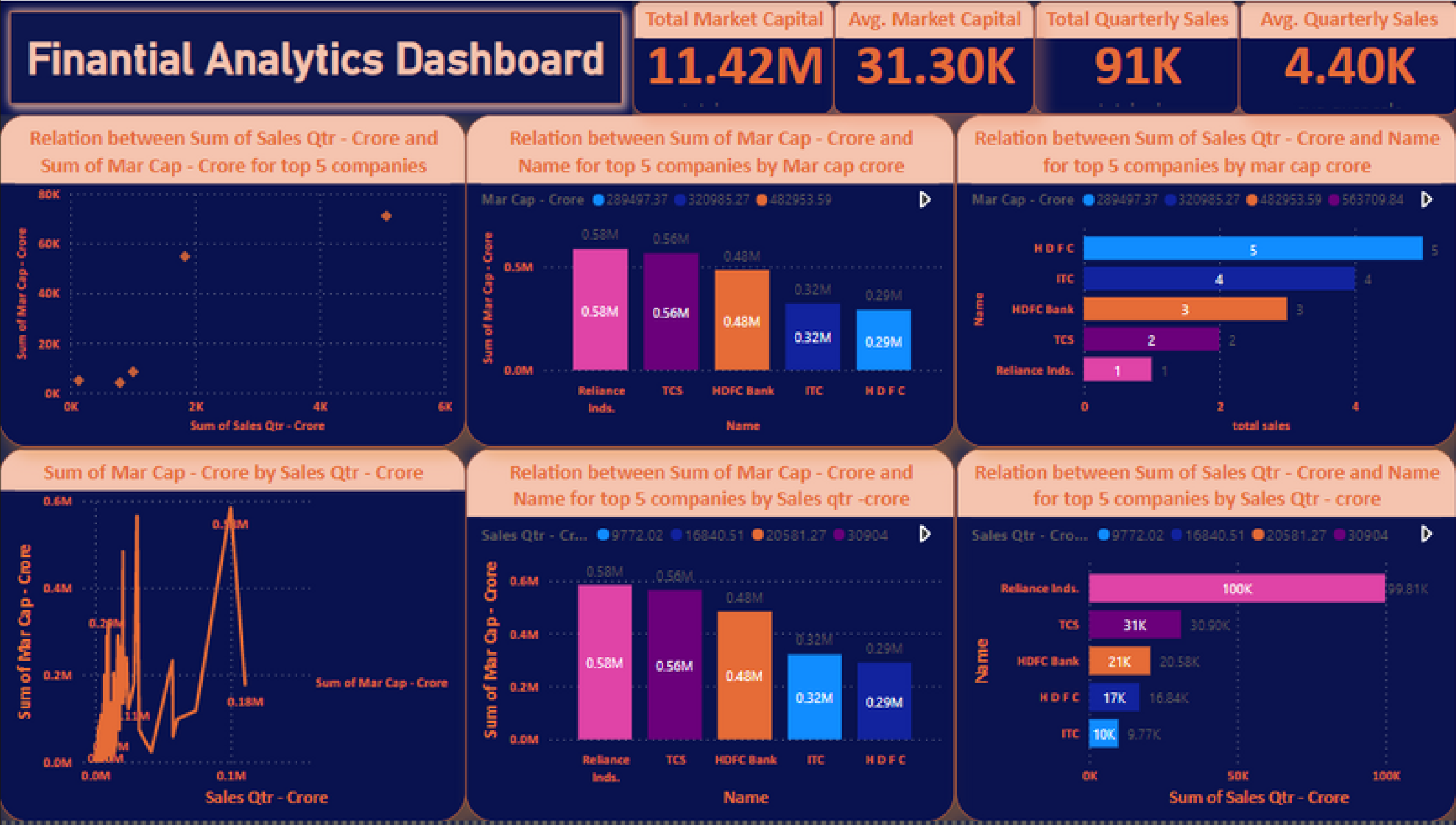Sum of Sales Qtr - Crore

KEY METRICES

- Fluctuating pattern in Market Capitalization despite changes in Quarterly Sales indicates dynamic market conditions and complex relationships between business performance.Add a little bit of body text
- Reliance Inds.company among the top 5 companies have the highest Quarterly Sales.
- Reliance Inds.company among the top 5 companies have the highest Market Capitalization.
- Market Capitalization and Quarterly Sales are positively correlated.
- From year 2022 to 2092 there is constant trend of quarterly sales and from 2092 to 2114 there is increasing trend of quarterly sales in the data.

- The original time series data depicts historical sales trends, showcasing a consistent pattern until 2080, followed by an upward trend. The forecasted values suggest an optimistic outlook for future sales, aiding in strategic planning and resource allocation.
- The original time series illustrates a steady sales pattern until 2080, followed by an upward trend. The trend component signifies the overall movement in sales, while the forecasted values offer insights into future sales based on the ARIMA model.

THANK YOU