

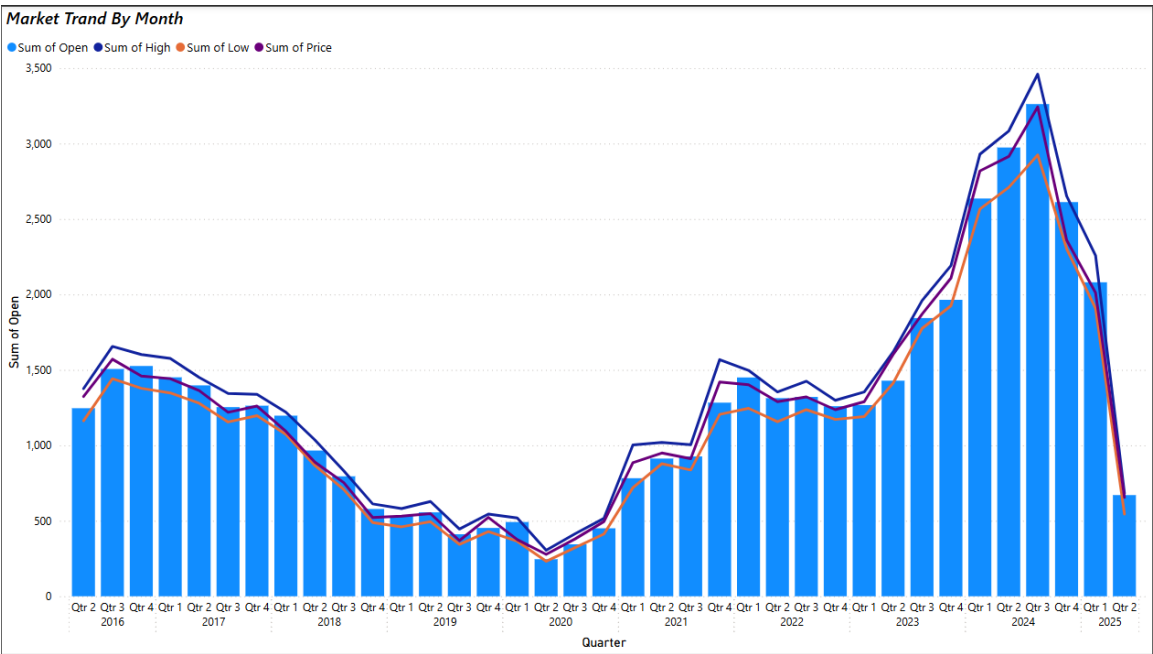
TATA Motors Market Trend Analysis (2016 – April 2025)

1. Executive Summary

This report provides a comprehensive analysis of TATA Motors stock market trends from 2016 to April 2025. The analysis focuses on monthly trends, annual performance distribution, year-over-year changes, and key financial indicators. It aims to offer valuable insights into the stock's behavior, growth phases, and market movements over time.

2. Dashboard Components and Key Observations

2.1 Market Trend by Month



Visualization Overview:

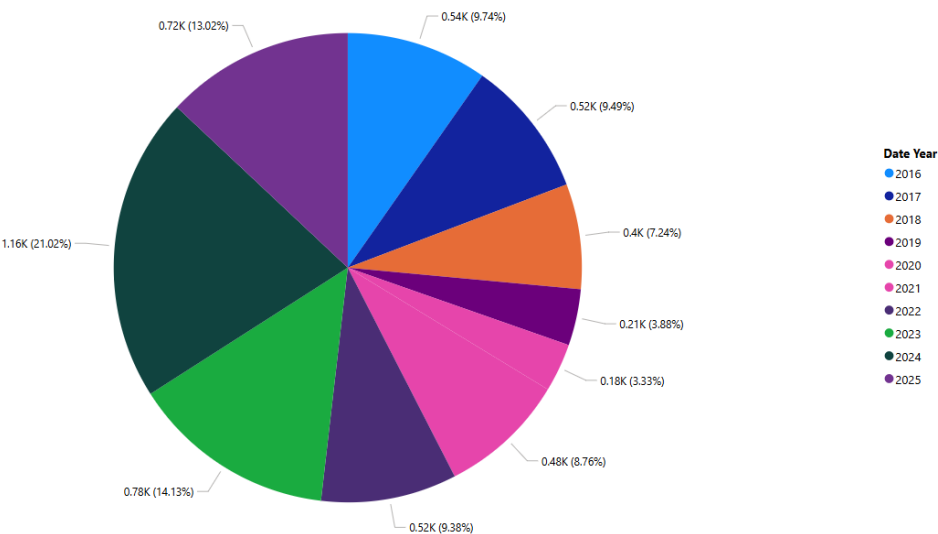
- Combined bar and line chart showing Sum of Open, Sum of High, Sum of Low, and Sum of Closing Prices.

Key Observations:

- Steady upward trend starting mid-2022, peaking between mid-2023 and late 2024.
- Minor decline observed in early 2025, indicating market consolidation.

2.2 Price Distribution by Year

Price by Year



Visualization Overview:

- Pie chart showing price distribution from 2016 to 2025.

Key Observations:

- 2024 holds the largest share (21.02%, ₹1.16K).
- 2023 (14.13%) and 2016 (13.02%) follow.
- 2020 and 2021 show lower contributions.

2.3 Year-over-Year Changes



Visualization Overview:

- Waterfall chart illustrating annual changes.

Key Observations:

- Positive growth in 2022, 2023, and 2024.
- Declines in 2018 and 2019.
- Cumulative total change: +1.58%.

2.4 Key Metrics Summary

Metric	Value	Description
Min of Low	₹63.31	Lowest stock price recorded during the period
Max of High	₹1.18K	Highest high price recorded
Max of Open	₹1.17K	Highest opening price during trading sessions
Sum of Change %	+1.58%	Net positive growth across 9 years
Highest Price	₹1.16K	Peak overall price value, recorded in 2024
Last Volume	916.62M	Most recent trading volume as of April 2025

3. Strategic Insights

- Sustained Growth Phase: Strong momentum from mid-2022 to 2024.
- Market Leadership in 2024: Highest price contributions and market activity.
- Minor Volatility: Declines in 2018, 2019, and early 2025 reflect normal corrections.
- Market Stabilization: Early 2025 cooling-off suggests healthy stabilization.

4. Conclusion

The period from 2016 to 2025 highlights TATA Motors' strong market performance, particularly during the post-2022 period. Despite minor fluctuations, the company's stock has demonstrated resilient growth, positioning it favorably for future opportunities.

This trend analysis suggests that TATA Motors has effectively navigated market challenges, capitalized on growth opportunities, and established itself as a leading performer in its sector.