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Day 2 – Stock Market Data Collection Report

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Report Scope

This report presents the collection and initial validation of historical stock market data covering major Indian indices and selected large-cap stocks over the past two years.

Instruments Included

- NIFTY 50
- BANK NIFTY
- RELIANCE
- TCS
- HDFCBANK

Data Source

Historical market data was sourced from Yahoo Finance using automated data collection processes to ensure consistency and accuracy.

Data Quality Summary

Initial validation confirms complete data coverage with **zero missing values** across all instruments, providing a reliable foundation for further analysis.

Total Instruments	Total Records	Total Missing Values
5	2,462	0

This represents the total number of financial instruments included in the dataset: **NIFTY 50, BANK NIFTY, RELIANCE, TCS, and HDFCBANK**, covering both major market indices and large-cap stocks.

This shows the total number of historical data points collected across all instruments for the selected time period.

This confirms that no missing data points were identified in the collected dataset. All instruments have complete historical records for the selected time period, indicating high data quality.
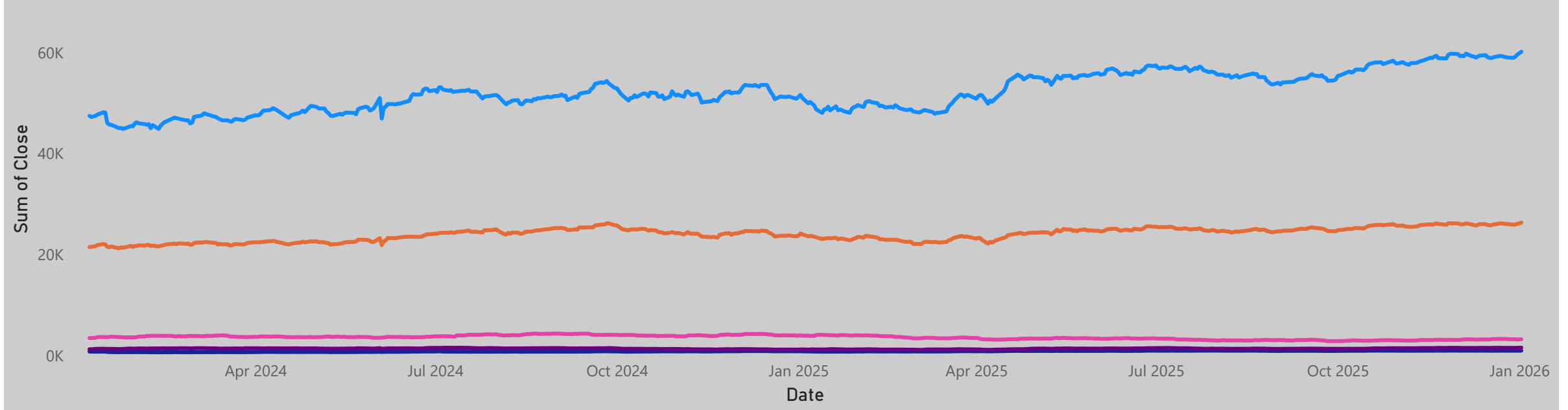.

Ticker	Rows	Non-Missing Values ▲	Missing Value
BANK_NIFTY	488	488	0
NIFTY_50	492	492	0
HDFCBANK	494	494	0
RELIANCE	494	494	0
TCS	494	494	0

This table provides a consolidated overview of the collected dataset for each index and stock, including total historical records and the number of missing data points.

The absence of missing values across all instruments confirms data completeness and readiness for further analysis.

Sum of Close by Date and Ticker

Ticker ● BANK_NIFTY ● HDFCBANK ● NIFTY_50 ● RELIANCE ● TCS

This chart provides a sample view of price movements over time, demonstrating that the dataset is suitable for trend analysis and future indicator calculations.