

Amazon Stock Analysis Report (2020–2023)

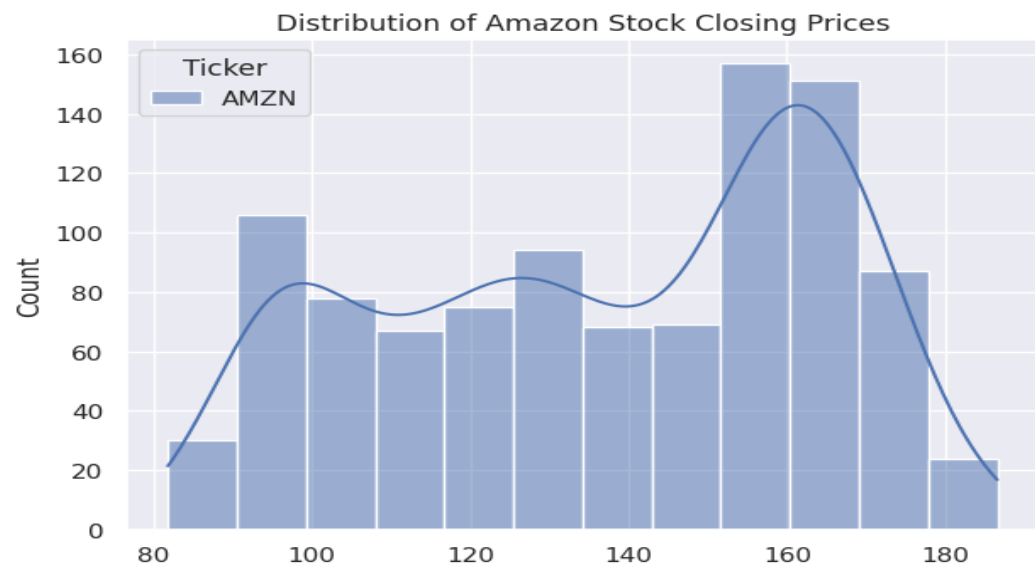
Amazon.com Inc. is a global leader in e-commerce and cloud services. This report analyzes Amazon’s stock behavior from Jan 2020 to Dec 2023. It includes visualizations of price trends, returns, and technical indicators.

Figure 1: Closing Price Over Time



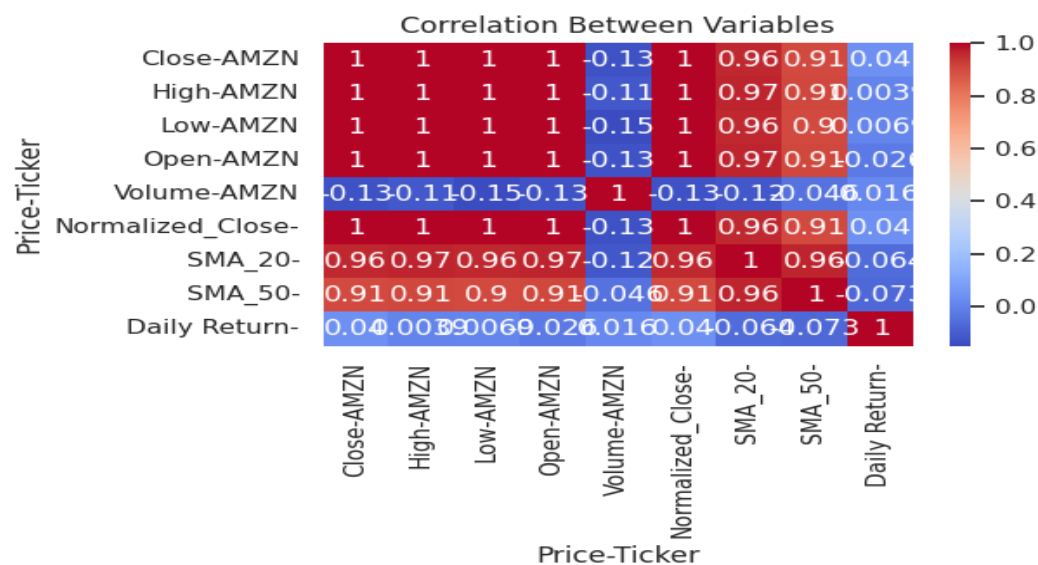
Amazon’s stock price from 2020 to 2023 shows growth phases and market corrections. Key events include the pandemic boom and tech-sector fluctuations.

Figure 2: Distribution of Closing Prices



Most closing prices lie within a central range with some high-price outliers. This distribution reflects Amazon’s relative price stability with periods of volatility.

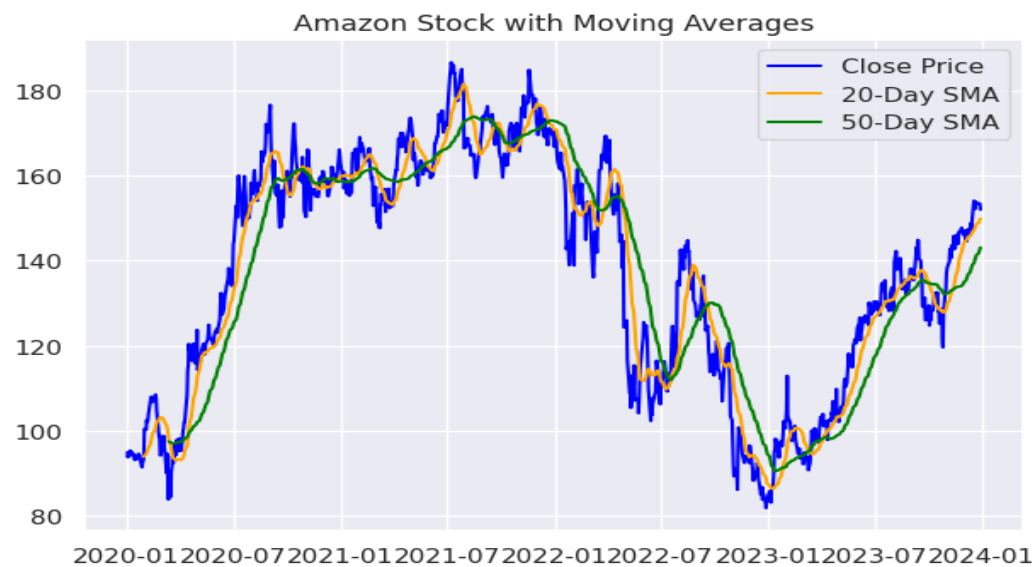
Figure 3: Correlation Between Variables



Strong positive correlation between SMAs and closing prices is observed.

Daily returns are more independent, indicating higher volatility.

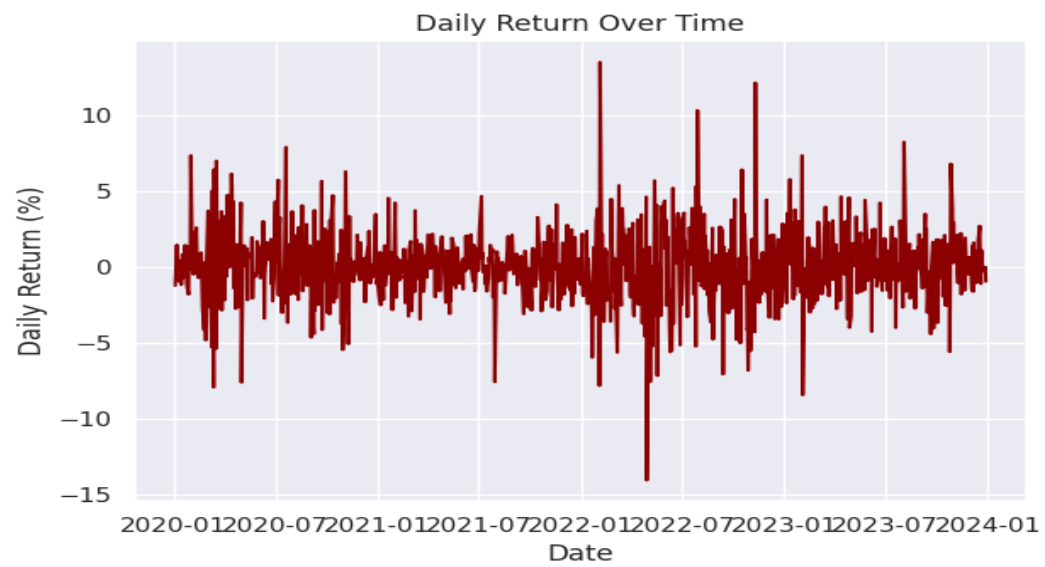
Figure 4: Moving Averages



Short-term (20-day) and long-term (50-day) SMAs reveal trend directions.

Crossovers often signal shifts in momentum or trend reversals.

Figure 5: Daily Return Over Time



Return spikes indicate impactful events like earnings or economic news.

Volatility provides insight into risk and opportunity.