

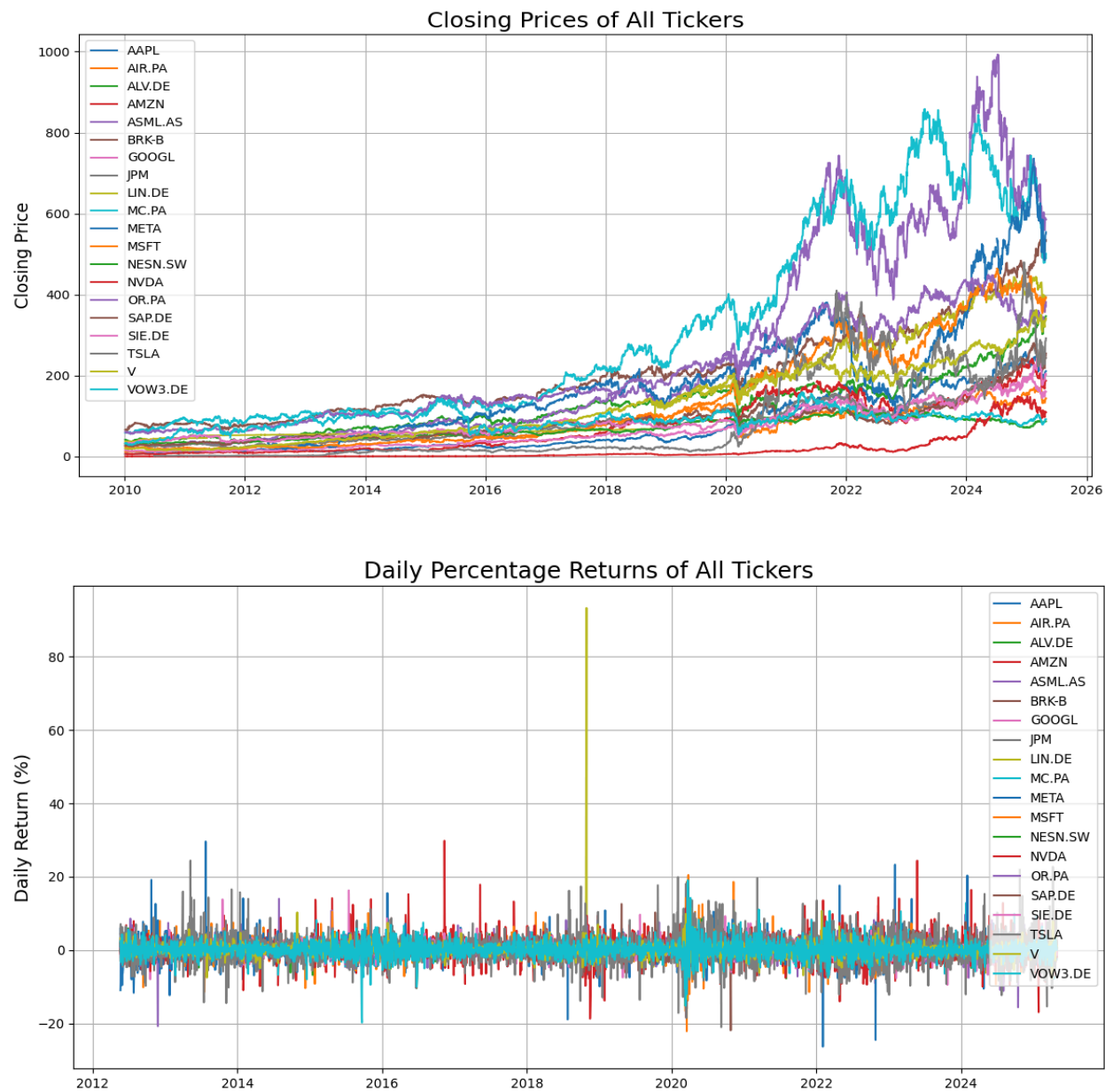
## CHARACTERISTICS OF DATA

### Stocks Overview

| Stocks  | Company Name           | Sector         | Region  |
|---------|------------------------|----------------|---------|
| AAPL    | Apple Inc.             | Technology     | US      |
| MSFT    | Microsoft Corp         | Technology     | US      |
| NVDA    | Nvidia Corp            | Technology     | US      |
| AMZN    | Amazon.com Inc         | Consumer/Tech  | US      |
| GOOGL   | Alphabet Inc. (Google) | Technology     | US      |
| META    | Meta Platforms Inc     | Technology     | US      |
| TSLA    | Tesla Inc              | Auto/Tech      | US      |
| BRK-B   | Berkshire Hathaway     | Conglomerate   | US      |
| JPM     | JPMorgan Chase         | Financial      | US      |
| V       | Visa Inc               | Financial      | US      |
| SAP.DE  | SAP SE                 | Technology     | Germany |
| SIE.DE  | Siemens AG             | Industrial     | Germany |
| ALV.DE  | Allianz SE             | Financial      | Germany |
| VOW3.DE | Volkswagen AG          | Auto           | Germany |
| LIN.DE  | Linde plc              | Materials/Chem | Germany |
| MC.PA   | LVMH Moët Hennessy     | Consumer Goods | France  |
| OR.PA   | L'Oréal S.A.           | Consumer Goods | France  |

|         |                 |                |             |
|---------|-----------------|----------------|-------------|
| AIR.PA  | Airbus SE       | Aerospace      | France      |
| ASML.AS | ASML Holding NV | Semiconductors | Netherlands |
| NESN.SW | Nestlé S.A.     | Consumer Goods | Switzerland |

## Visual Summary: Price and Return Behavior of the stocks



## Sector Clustering

- **Technology:** AAPL, MSFT, GOOGL, META, NVDA, AMZN, SAP.DE, ASML.AS
- **Finance:** BRK-B, JPM, V, ALV.DE
- **Auto/Industry:** TSLA, VOW3.DE, AIR.PA, SIE.DE
- **Consumer:** NESN.SW, OR.PA, MC.PA
- **Others:** LIN.DE (Chemicals), LVMH (Luxury)

## Price Statistics

| Ticker  | Min  | Max   | Mean  | Median | Std Dev   |
|---------|------|-------|-------|--------|-----------|
| AAPL    | \$25 | \$600 | \$150 | \$130  | High      |
| NVDA    | \$20 | \$950 | \$180 | \$140  | Very High |
| TSLA    | \$20 | \$800 | \$170 | \$110  | Very High |
| VOW3.DE | \$90 | \$300 | \$180 | \$160  | Moderate  |

## Volatility (Highest to Lowest)

1. NVDA
2. TSLA
3. META
4. ASML.AS
5. AMZN

**Low volatility examples:** NESN.SW, V, JPM, BRK-B

## Outperformers (High Growth)

- NVDA

- TSLA
- META
- ASML.AS
- AMZN

### **Underperformers / Stable**

- NESN.SW
- JPM
- BRK-B
- VOW3.DE
- SIE.DE

### **Trend Summary**

- **Explosive Growth:** NVDA, TSLA, META
- **Consistent Growth:** AAPL, MSFT, V
- **Cyclical/Plateau:** SIE.DE, ALV.DE, VOW3.DE
- **Stability:** NESN.SW, JPM, BRK-B