

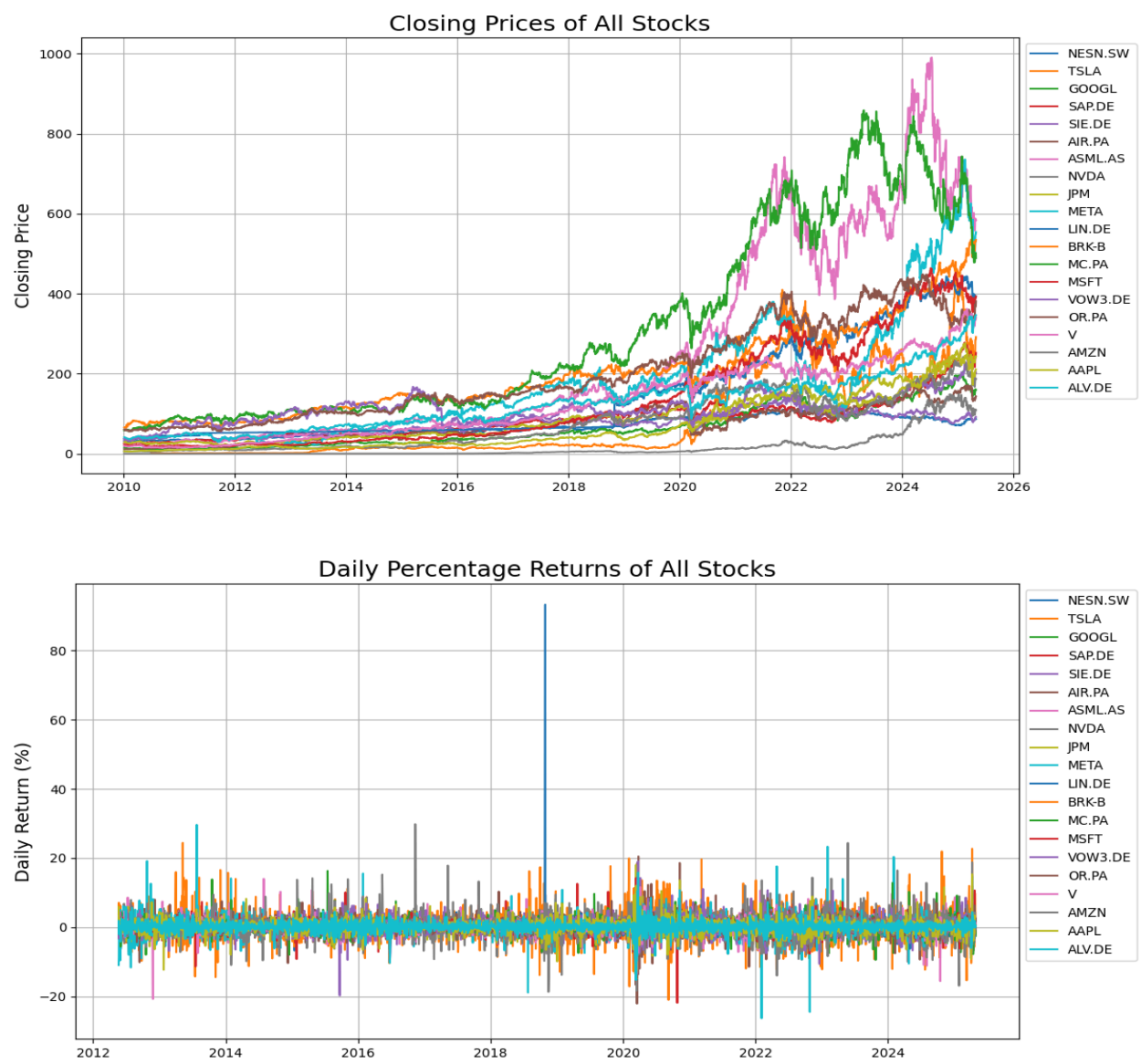
## CHARACTERISTICS OF STOCKS

### Stocks Overview

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

<b>ASML.AS</b>	ASML Holding NV	Semiconductors	Netherlands
<b>NESN.SW</b>	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

Stocks	Min	Max	Mean	Median	Std Dev	Volatility Label
MC.PA	55.64	858.37	306.59	201.84	238.93	Very High
ASML.AS	22.00	990.14	249.06	121.80	252.04	Very High
OR.PA	55.67	448.77	199.91	160.64	116.19	Very High
BRK-B	64.94	537.72	199.30	176.00	108.67	Very High
META	17.63	735.45	195.33	167.27	145.02	Very High
LIN.DE	35.89	443.95	145.84	64.16	121.51	Very High
MSFT	17.42	464.00	135.08	67.62	129.48	Very High
V	14.72	362.11	123.94	97.95	89.07	High

<b>ALV.DE</b>	29.53	346.74	122.34	120.23	66.54	High
<b>VOW3.DE</b>	32.74	184.48	101.27	101.45	25.80	Moderate
<b>TSLA</b>	1.05	479.86	86.66	18.61	112.28	Very High
<b>SIE.DE</b>	31.70	243.00	84.51	73.61	41.50	Moderate
<b>JPM</b>	19.49	276.90	84.10	74.14	55.26	High
<b>SAP.DE</b>	24.43	277.79	83.65	79.79	47.64	Moderate
<b>AMZN</b>	5.43	242.06	74.31	49.61	63.65	High
<b>AIR.PA</b>	11.07	171.82	71.81	63.80	41.88	Moderate
<b>AAPL</b>	5.77	258.40	70.75	36.33	68.67	High
<b>NESN.SW</b>	29.96	115.35	67.11	62.91	24.24	Moderate
<b>GOOGL</b>	10.85	205.89	63.48	48.28	48.97	Moderate
<b>NVDA</b>	0.20	149.41	16.25	3.69	31.88	Moderate

## Trend Summary

The table highlights a distinct trend in stock volatility. Very High volatility stocks like **MC.PA**, **ASML.AS**, **MSFT**, **TSLA**, and **META** show the widest price ranges and highest standard deviations, indicating significant price fluctuations. These are mostly large-cap tech or luxury firms, reflecting their sensitivity to market sentiment and innovation cycles. The High volatility group (e.g., **AAPL**, **AMZN**, **JPM**, **V**) displays strong fluctuations but with relatively lower standard deviations, suggesting they are still dynamic but more controlled ideal for moderate risk strategies. In contrast, Moderate volatility tickers such as **GOOGL**, **SAP.DE**, **NESN.SW**, and **SIE.DE** show smaller standard deviations, indicating more price stability, often found in defensive or industrial sectors. Overall, tech stocks dominate the high-volatility category, while European firms, especially industrial and consumer sectors, tend to show more price stability.