



NEXGENTECH SOLUTIONS

TECHNOLOGY INVESTMENT OVERVIEW

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INTRODUCTION

In the relentless march of progress, technology and artificial intelligence (AI) stand at the forefront of an ever-evolving landscape, reshaping the way we live, work, and interact with the world around us. The rapid pace of technological advancements has led to transformative breakthroughs, unleashing a wave of innovation that transcends traditional boundaries. From machine learning algorithms that decipher complex patterns to the integration of AI in everyday devices, the synergy between technology and AI is catalyzing unprecedented change. As these fields continue to evolve, the promise of enhanced efficiency, personalized experiences, and groundbreaking discoveries holds the potential to redefine the very fabric of our existence. In this era of constant flux, the journey of technology and AI is an unfolding narrative, weaving a tapestry of possibilities that extends far beyond the horizon of our current understanding.

COMPANIES BACKGROUND

1. Adobe Inc. (ADBE):

- Adobe is a global software company known for its creative software products.
- Key Metrics: Analyze revenue growth, subscription model adoption, and market share in creative software.
- Strategic Focus: Evaluate innovation in cloud-based services and expansion into e-commerce solutions.

2. Applied Materials, Inc. (AMAT):

- AMAT is a semiconductor equipment supplier.
- Key Metrics: Assess semiconductor industry trends, order backlog, and capital expenditure plans of semiconductor manufacturers.
- Strategic Focus: Analyze R&D investment in next-gen technologies and partnerships within the semiconductor ecosystem.

3. Advanced Micro Devices, Inc. (AMD):

- AMD is a semiconductor company specializing in CPUs and GPUs.
- Key Metrics: Examine market share in CPUs and GPUs, revenue growth, and competitive positioning against Intel and NVIDIA.
- Strategic Focus: Investigate developments in gaming and data center markets, and innovation in semiconductor technology.

4. Broadcom Inc. (AVGO):

- Broadcom is a global technology company with a focus on semiconductor and infrastructure software solutions.
- Key Metrics: Assess revenue diversification, acquisition strategies, and semiconductor demand.
- Strategic Focus: Evaluate the expansion into software and infrastructure solutions, including cybersecurity and networking.

COMPANIES BACKGROUND

5. Alibaba Group Holding Limited (BABA):

- Alibaba is a Chinese multinational conglomerate specializing in e-commerce, retail, internet, and technology.
- Key Metrics: Analyze e-commerce growth, cloud computing revenue, and regulatory challenges in China.
- Strategic Focus: Assess expansion into new markets, diversification of business lines, and technology investments.

6. Cisco Systems, Inc. (CSCO):

- Cisco is a global technology company providing networking hardware, software, and telecommunications equipment.
- Key Metrics: Examine networking equipment sales, software subscriptions, and cybersecurity solutions.
- Strategic Focus: Evaluate innovations in 5G, IoT, and software-defined networking.

7. Etsy, Inc. (ETSY):

- Etsy is an e-commerce platform focused on handmade, vintage, and unique goods.
- Key Metrics: Assess gross merchandise sales, user engagement, and expansion into new product categories.
- Strategic Focus: Analyze efforts in sustainability, marketing strategies, and international expansion.

8. Alphabet Inc. (GOOGL):

- Google's parent company, Alphabet, is a multinational conglomerate with various businesses, including search, advertising, and technology.
- Key Metrics: Evaluate advertising revenue, cloud services growth, and emerging technologies.
- Strategic Focus: Analyze investments in artificial intelligence, autonomous vehicles, and healthcare technology.

COMPANIES BACKGROUND

9. Intel Corporation (INTC):

- Intel is a global technology company specializing in semiconductor manufacturing and innovation.
- Key Metrics: Assess market share in CPUs, advancements in semiconductor technology, and data center revenue.
- Strategic Focus: Analyze investments in AI, 5G, and semiconductor fabrication capabilities.

10. Lam Research Corporation (LRCX):

- Lam Research is a semiconductor equipment company.
- Key Metrics: Examine orders and shipments of semiconductor manufacturing equipment.
- Strategic Focus: Assess R&D investments in advanced semiconductor processing technologies.

11. Lumen Technologies, Inc. (LUMN):

- Lumen Technologies is a telecommunications company providing services such as broadband, cloud, and security.
- Key Metrics: Evaluate revenue from core services, customer retention, and expansion into high-speed broadband.
- Strategic Focus: Analyze investments in 5G infrastructure and partnerships in the cloud and cybersecurity space.

12. Meta Platforms, Inc. (META):

- Formerly known as Facebook, Meta is a social media and technology conglomerate.
- Key Metrics: Assess user engagement, advertising revenue, and developments in the metaverse.
- Strategic Focus: Analyze investments in virtual reality, augmented reality, and content moderation.

COMPANIES BACKGROUND

14. Microsoft Corporation (MSFT):

- Microsoft is a global technology company providing software, hardware, and cloud services.
- Key Metrics: Evaluate revenue from software, cloud services, and hardware products.
- Strategic Focus: Analyze innovations in cloud computing, artificial intelligence, and gaming.

15. Micron Technology, Inc. (MU):

- Micron is a semiconductor company specializing in memory and storage solutions.
- Key Metrics: Assess market share in memory products, pricing trends, and technology advancements.
- Strategic Focus: Analyze investments in NAND and DRAM technologies, and partnerships in emerging markets.

16. Netflix, Inc. (NFLX):

- Netflix is a global streaming service offering a variety of content.
- Key Metrics: Evaluate subscriber growth, content production, and competition in the streaming industry.
- Strategic Focus: Assess international expansion, original content strategies, and technology for content delivery.

17. NVIDIA Corporation (NVDA):

- NVIDIA is a semiconductor company known for GPUs and AI solutions.
- Key Metrics: Examine market share in gaming and data center GPUs, AI adoption, and autonomous vehicle technologies.
- Strategic Focus: Analyze investments in AI, edge computing, and expansion into new markets.

COMPANIES BACKGROUND

17. PayPal Holdings, Inc. (PYPL):

- PayPal is a global online payment platform.
- Key Metrics: Assess transaction volume, user growth, and expansion into new financial services.
- Strategic Focus: Analyze partnerships and acquisitions in the fintech space and innovations in digital payments.

18. QUALCOMM Incorporated (QCOM):

- Qualcomm is a semiconductor and telecommunications equipment company.
- Key Metrics: Examine revenue from chipsets, licensing, and 5G technologies.
- Strategic Focus: Assess developments in 5G, IoT, and automotive technologies.

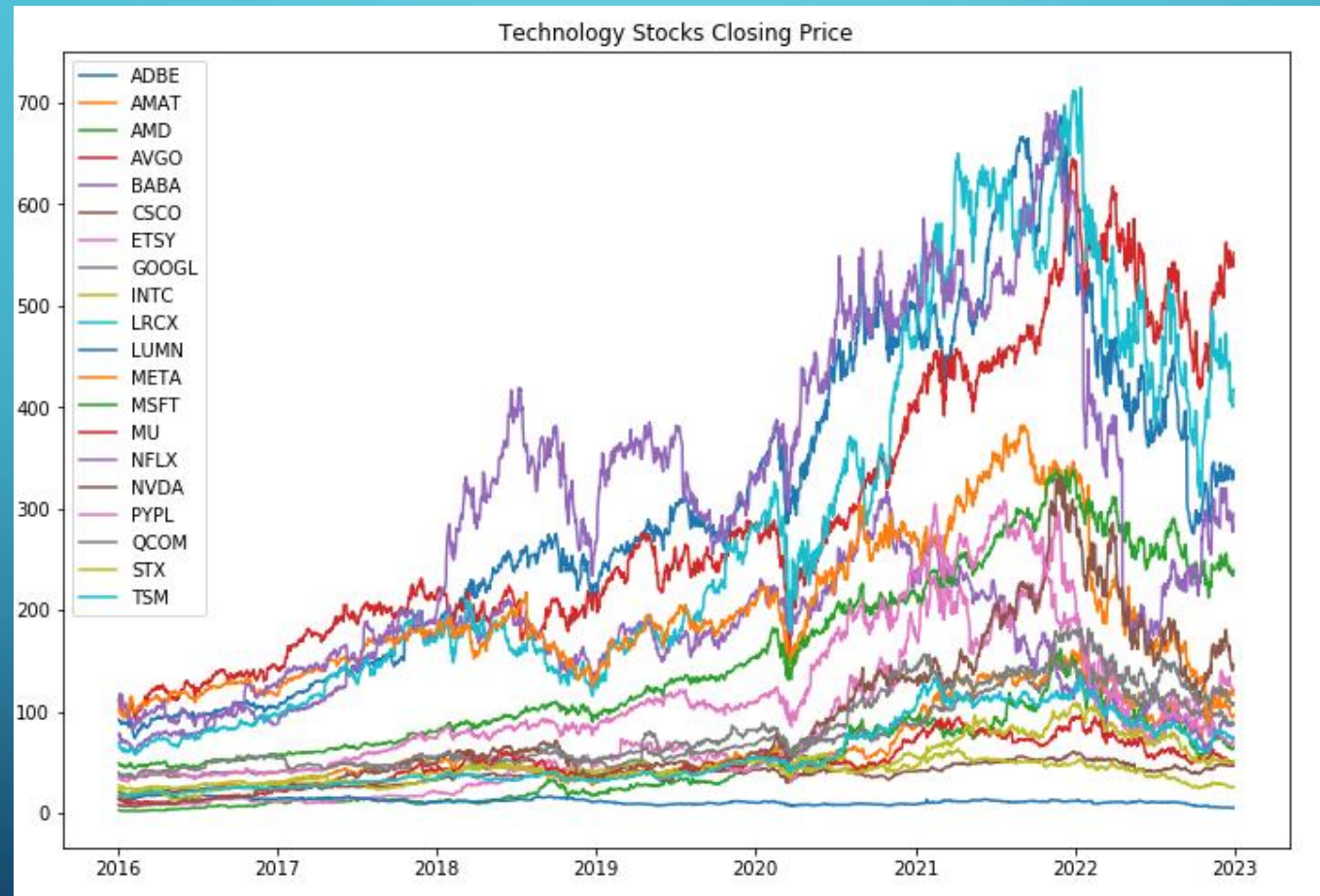
19. Seagate Technology Holdings plc (STX):

- Seagate is a data storage solutions company.
- Key Metrics: Evaluate revenue from hard disk drives (HDDs) and solid-state drives (SSDs).
- Strategic Focus: Analyze R&D investments in storage technologies and partnerships in the data storage ecosystem.

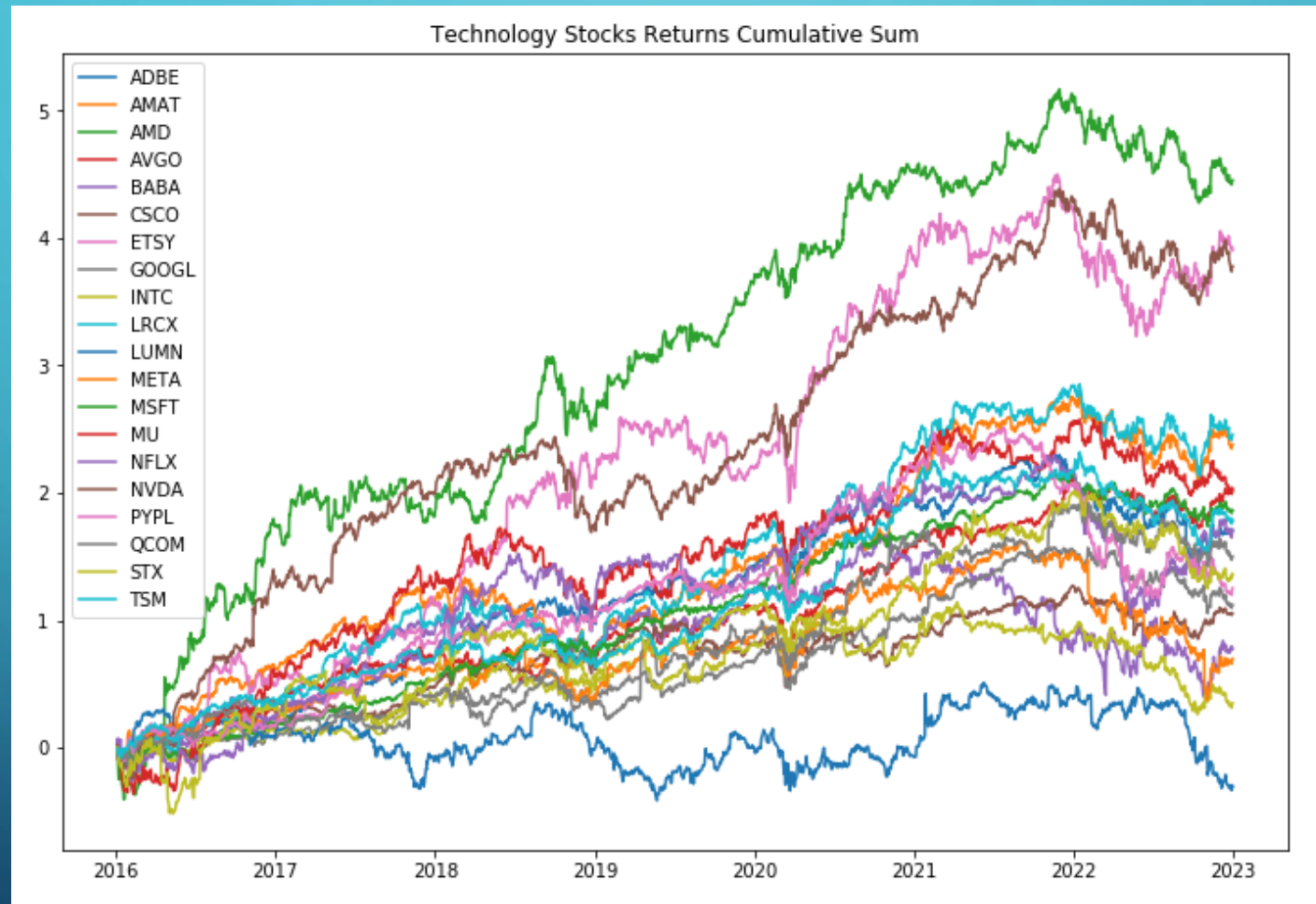
20. Taiwan Semiconductor Manufacturing Company Limited (TSM):

- TSMC is a semiconductor foundry.
- Key Metrics: Examine semiconductor manufacturing capacity, technology node advancements, and customer relationships.
- Strategic Focus: Assess investments in advanced manufacturing processes, sustainability initiatives, and partnerships in the semiconductor industry.

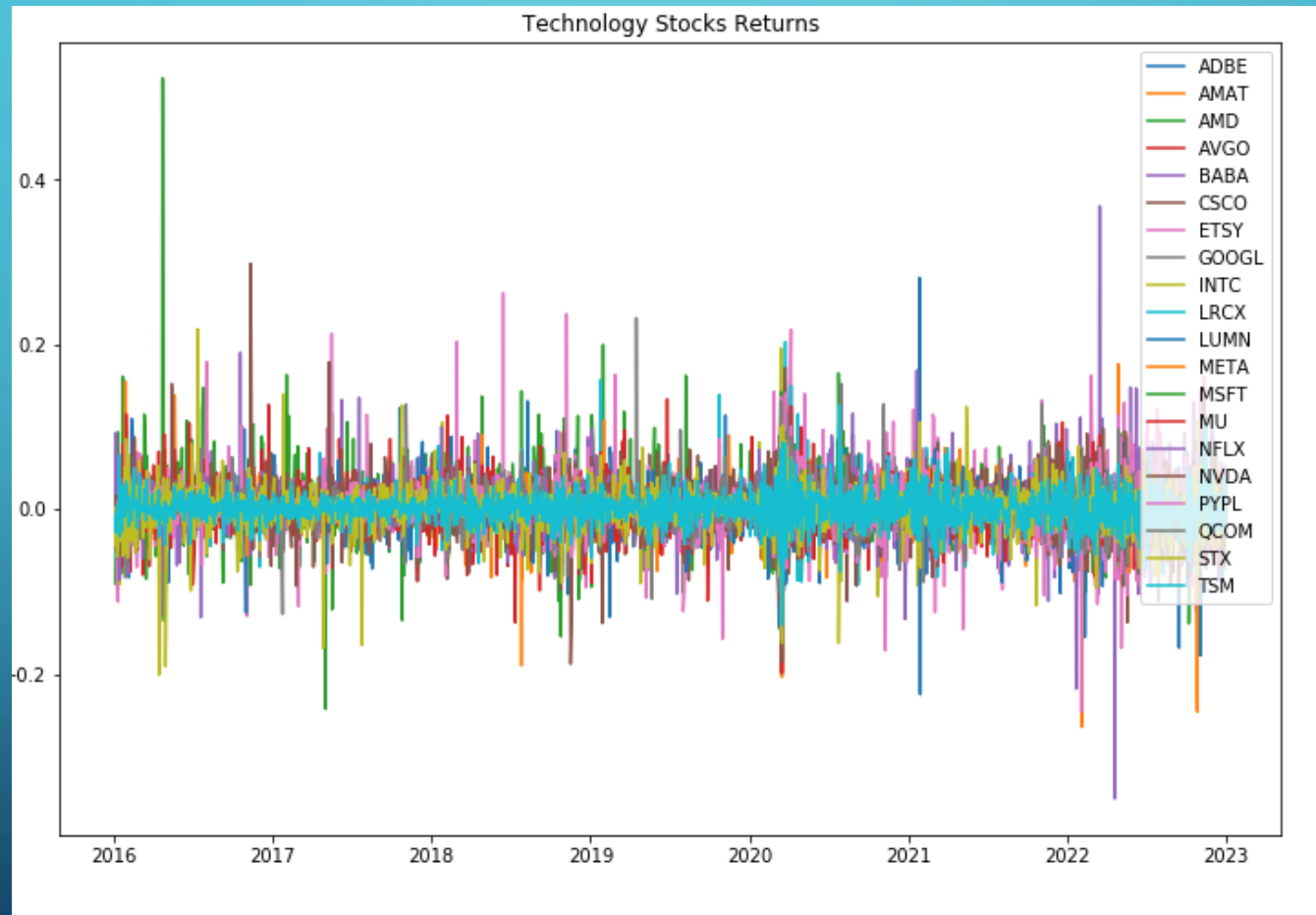
CLOSING STOCKS PRICE



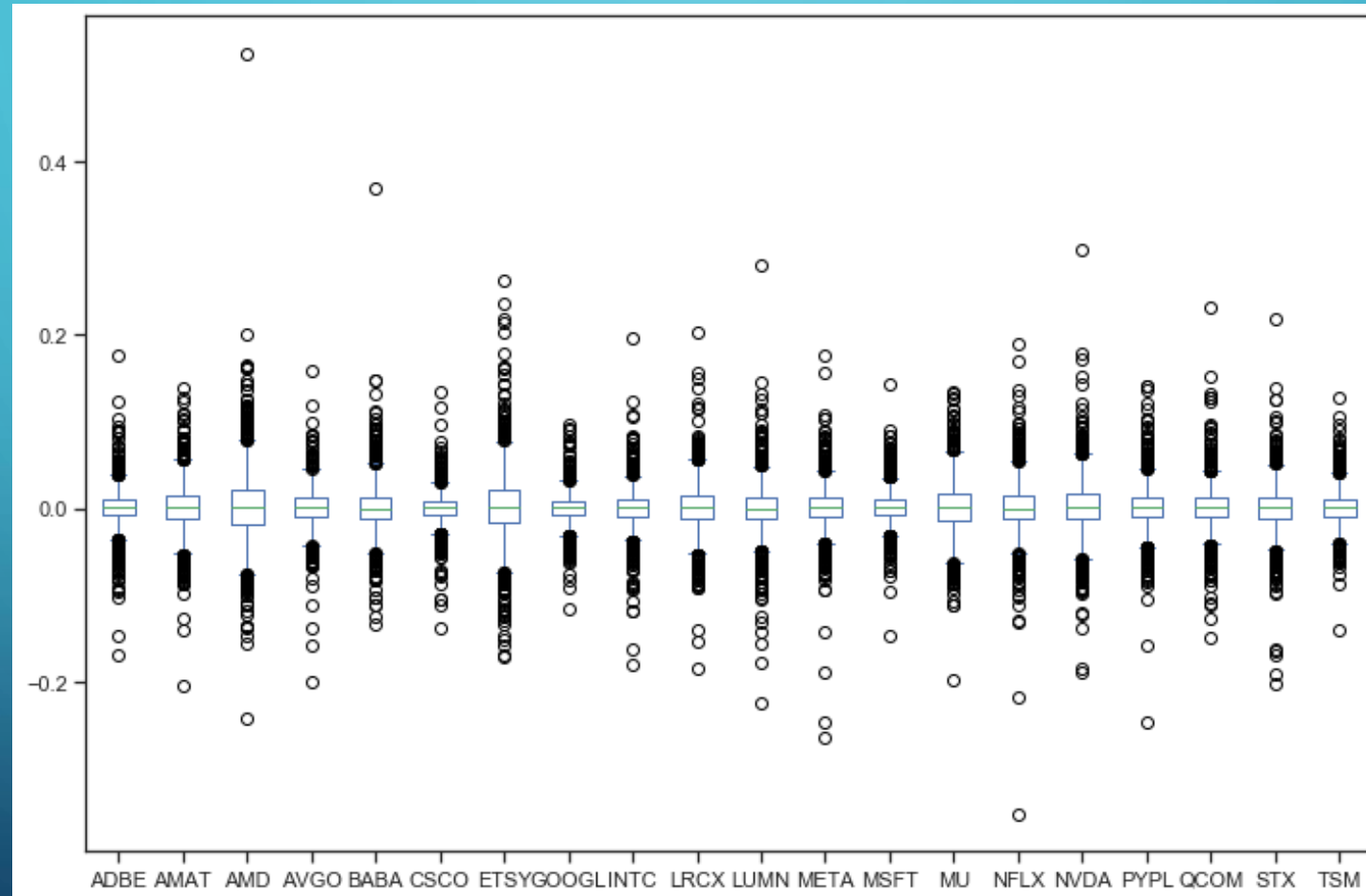
TECHNOLOGY CUMULATIVE SUM



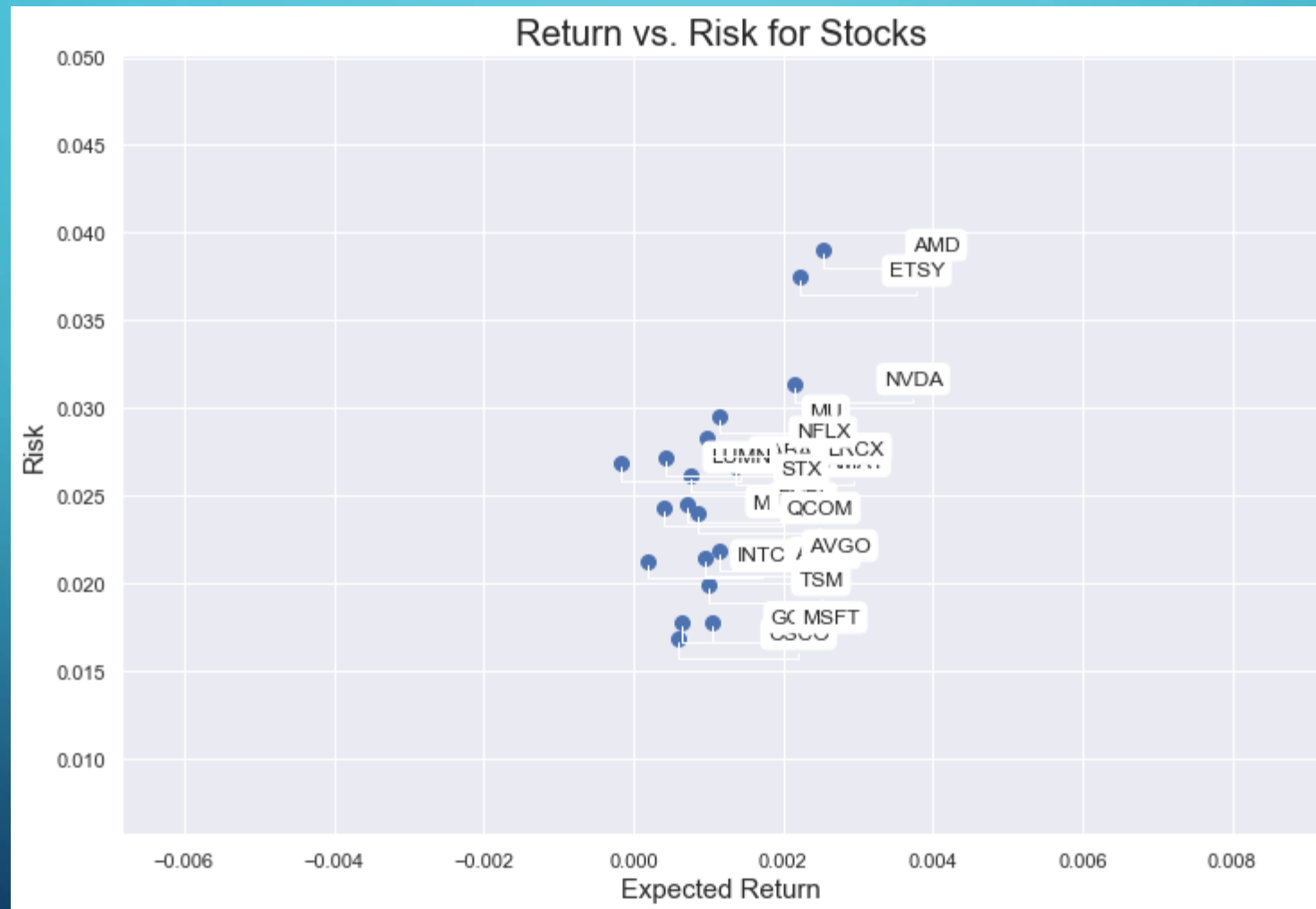
TECHNOLOGY STOCKS RETURNS



TECHNOLOGY STOCKS BOX PLOT



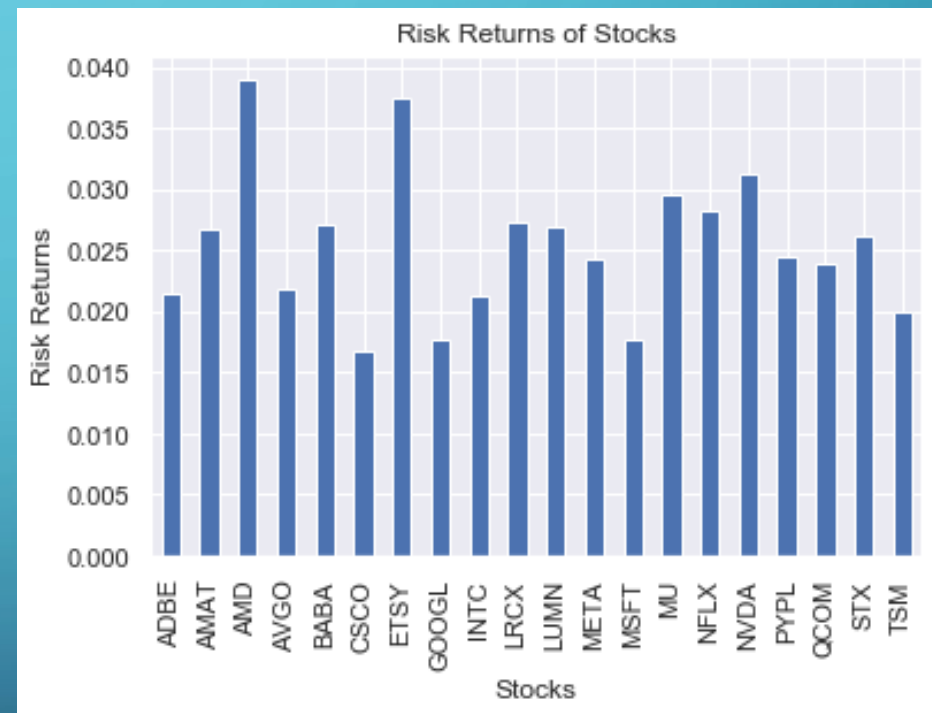
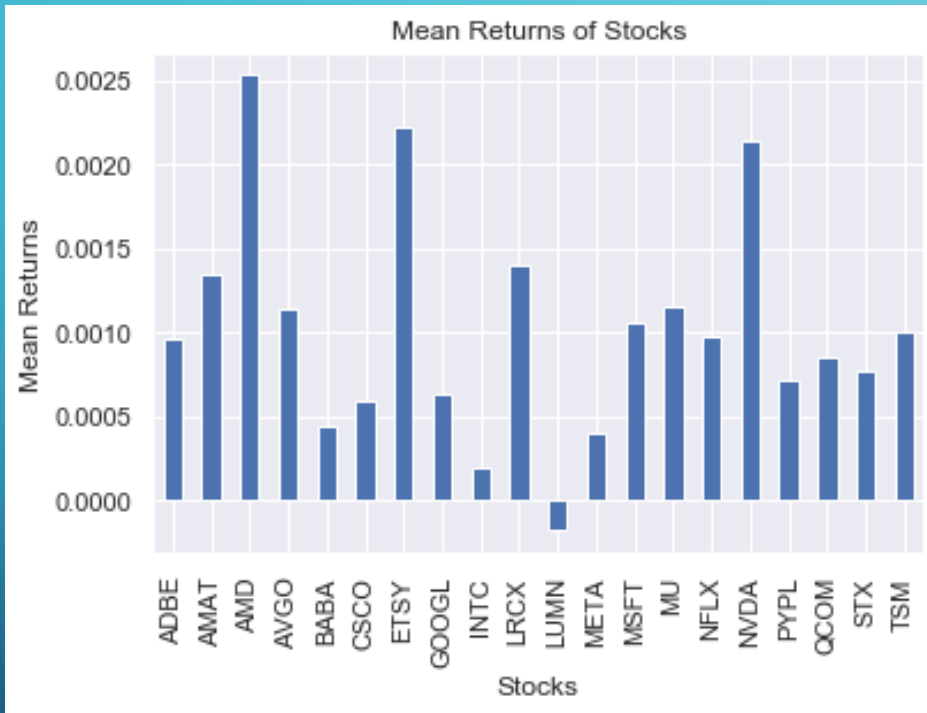
TECHNOLOGY RETURNS VS RISK



TECHNOLOGY BETA ALPHA R-SQUARED

Symbol	Beta	Alpha	R-Squared
ADBE	1.280857778	0.000402527	0.527732851
AMAT	1.603055833	0.000644962	0.534188781
AMD	1.632149011	0.001810175	0.258876813
AVGO	1.293260609	0.000574821	0.517946951
BABA	0.973051246	1.14E-05	0.188924277
CSCO	1.005702826	0.000154471	0.528505422
ETSY	1.442301378	0.001581297	0.218064636
GOOGL	1.134692187	0.000136304	0.602852828
INTC	1.220985721	-0.000340239	0.485734238
LRCX	1.62929218	0.00067701	0.523334671
LUMN	0.973450129	-0.00060464	0.193424795
META	1.242439714	-0.000151254	0.385059354
MSFT	1.216756505	0.000521294	0.695394008
MU	1.545051917	0.000470954	0.403869574
NFLX	1.139096187	0.000470419	0.238727268
NVDA	1.70877573	0.001392469	0.439006853
PYPL	1.33108333	0.000124273	0.433815533
QCOM	1.283251235	0.000287034	0.422523023
STX	1.155807854	0.000261795	0.287739074
TSM	1.043031984	0.000549565	0.406281991

AVERAGE RETURNS & RISK RETURNS



STRENGTH & WEAKNESS

Analyzing a diverse set of 20 companies from various industries can yield valuable insights into the global economic landscape and technological trends. Here's a concise analysis of strengths and weaknesses:

1. Adobe Inc. (ADBE):

- Strengths: Dominant position in creative software with products like Photoshop and Illustrator. Strong subscription-based revenue model.
- Weaknesses: Vulnerable to economic downturns due to its reliance on businesses' discretionary spending.

2. Applied Materials, Inc. (AMAT):

- Strengths: Leading provider of semiconductor manufacturing equipment. Positioned to benefit from the growing demand for advanced chips.
- Weaknesses: Susceptible to cyclical downturns in the semiconductor industry.

3. Advanced Micro Devices, Inc. (AMD):

- Strengths: Competing effectively with Intel in the CPU market. Strong presence in gaming and graphics processing.
- Weaknesses: Dependency on the semiconductor supply chain.

4. Broadcom Inc. (AVGO):

- Strengths: Diversified portfolio in semiconductor and infrastructure software. Strong financials and consistent revenue growth.
- Weaknesses: Exposure to cyclical demand in the semiconductor industry.

STRENGTH & WEAKNESS

5. Alibaba Group Holding Limited (BABA):

- Strengths: Dominant e-commerce platform in China. Expanding into cloud computing and other technology-driven sectors.
- Weaknesses: Regulatory challenges and geopolitical tensions impacting international expansion.

6. Cisco Systems, Inc. (CSCO):

- Strengths: Leading provider of networking hardware, software, and services. Well-established global presence.
- Weaknesses: Vulnerable to economic downturns impacting IT spending.

7. Etsy, Inc. (ETSY):

- Strengths: Unique marketplace for handmade and vintage goods. Growing e-commerce trend supports its business model.
- Weaknesses: Relatively small compared to giants like Amazon, making it more susceptible to market changes.

8. Alphabet Inc. (GOOGL):

- Strengths: Dominance in online advertising through Google. Diversified portfolio with investments in various tech sectors.
- Weaknesses: Regulatory scrutiny on privacy issues and competition concerns.

STRENGTH & WEAKNESS

9. Intel Corporation (INTC):

- Strengths: Long-standing dominance in the CPU market. Investments in emerging technologies like AI.
- Weaknesses: Increasing competition, manufacturing delays, and challenges in keeping up with industry trends.

10. Lam Research Corporation (LRCX):

- Strengths: Leading semiconductor equipment manufacturer. Strong position in the semiconductor manufacturing supply chain.
- Weaknesses: Vulnerable to semiconductor industry cyclicality.

11. Lumen Technologies, Inc. (LUMN):

- Strengths: Telecommunications services provider with a focus on networking solutions. Steady revenue from essential services.
- Weaknesses: Facing challenges from new technologies and regulatory changes.

12. Meta Platforms, Inc. (META):

- Strengths: Dominance in social media with platforms like Facebook and Instagram. Expanding into the metaverse and virtual reality.
- Weaknesses: Privacy concerns, regulatory scrutiny, and potential user base saturation.

STRENGTH & WEAKNESS

13. Microsoft Corporation (MSFT):

- Strengths: Diversified software and cloud services. Strong presence in enterprise solutions and gaming.
- Weaknesses: Competition in the cloud market, potential antitrust concerns.

14. Micron Technology, Inc. (MU):

- Strengths: Major player in memory and storage solutions. Positioned well in the data-centric market.
- Weaknesses: Vulnerable to cyclical fluctuations in semiconductor demand.

15. Netflix, Inc. (NFLX):

- Strengths: Pioneer in streaming services with a vast content library. Global subscriber base.
- Weaknesses: Intense competition, rising content production costs.

16. NVIDIA Corporation (NVDA):

- Strengths: Leading in graphics processing units (GPUs) and AI hardware. Strong growth in gaming and data center segments.
- Weaknesses: Dependency on the gaming industry and potential market saturation.

STRENGTH & WEAKNESS

17. PayPal Holdings, Inc. (PYPL):

- Strengths: Dominant player in online payments and digital wallets. Diversifying into cryptocurrency.
- Weaknesses: Intense competition, regulatory challenges in the financial sector.

18. QUALCOMM Incorporated (QCOM):

- Strengths: Leading in mobile chipsets and wireless technologies. Strong intellectual property portfolio.
- Weaknesses: Legal and regulatory challenges, dependency on the smartphone market.

19. Seagate Technology Holdings plc (STX):

- Strengths: Major player in data storage solutions. Steady demand for storage devices.
- Weaknesses: Vulnerable to technological shifts in the storage industry.

20. Taiwan Semiconductor Manufacturing Company Limited (TSM):

- Strengths: World's largest independent manufacturer of semiconductor chips. Key player in the global supply chain.
- Weaknesses: Vulnerable to geopolitical tensions and semiconductor market fluctuations.

OPPORTUNITIES & THREATS

1. ADBE (Adobe Inc.):

- Opportunities: Growing demand for digital experiences and cloud-based solutions.
- Threats: Intense competition in the software industry and potential cybersecurity risks.

2. AMAT (Applied Materials, Inc.):

- Opportunities: Advancements in semiconductor manufacturing technologies.
- Threats: Cyclical nature of the semiconductor industry and geopolitical tensions affecting supply chains.

3. AMD (Advanced Micro Devices, Inc.):

- Opportunities: Increasing demand for high-performance computing and gaming.
- Threats: Intense competition with major players like Intel and potential market saturation.

4. AVGO (Broadcom Inc.):

- Opportunities: Expansion into diverse tech segments such as networking and storage.
- Threats: Regulatory challenges and dependence on a few key customers for revenue.

OPPORTUNITIES & THREATS

5. BABA (Alibaba Group Holding Limited):

- Opportunities: Rapid growth of e-commerce and cloud computing in emerging markets.
- Threats: Regulatory scrutiny and geopolitical tensions affecting international operations.

6. CSCO (Cisco Systems, Inc.):

- Opportunities: Demand for networking solutions in the era of digital transformation.
- Threats: Increasing competition from cloud-based service providers and cybersecurity threats.

7. ETSY (Etsy, Inc.):

- Opportunities: Growth of the online marketplace and increasing interest in handmade and unique products.
- Threats: Competition from larger e-commerce platforms and counterfeit goods.

8. GOOGL (Alphabet Inc.):

- Opportunities: Expansion of online advertising and dominance in search engine technology.
- Threats: Regulatory challenges regarding data privacy and antitrust concerns.

OPPORTUNITIES & THREATS

9. INTC (Intel Corporation):

- Opportunities: Increasing demand for data center and artificial intelligence technologies.
- Threats: Competition from AMD and other chip manufacturers, as well as potential delays in product innovation.

10. LRCX (Lam Research Corporation):

- Opportunities: Adoption of advanced semiconductor manufacturing processes.
- Threats: Volatility in semiconductor demand and potential supply chain disruptions.

11. LUMN (Lumen Technologies, Inc.):

- Opportunities: Growing demand for high-speed internet and cloud services.
- Threats: Regulatory challenges and competition from other telecommunications providers.

12. META (Meta Platforms, Inc.):

- Opportunities: Expansion of the metaverse and virtual reality technologies.
- Threats: Regulatory scrutiny over data privacy issues and competition from other tech giants.

OPPORTUNITIES & THREATS

13. MSFT (Microsoft Corporation):

- Opportunities: Growth in cloud computing services and enterprise software solutions.
- Threats: Competition from both established players and emerging startups, as well as cybersecurity threats.

14. MU (Micron Technology, Inc.):

- Opportunities: Increasing demand for memory and storage solutions in various industries.
- Threats: Price volatility in the memory chip market and competition from other manufacturers.

15. NFLX (Netflix, Inc.):

- Opportunities: Expansion into international markets and investment in original content.
- Threats: Intense competition from other streaming services and potential content licensing challenges.

16. NVDA (NVIDIA Corporation):

- Opportunities: Growth in artificial intelligence, gaming, and autonomous vehicles.
- Threats: Competition from other GPU manufacturers and potential regulatory hurdles.

OPPORTUNITIES & THREATS

17. PYPL (PayPal Holdings, Inc.):

- Opportunities: Rise of digital payments and financial technology innovations.
- Threats: Increasing competition from other payment processors and regulatory changes.

18. QCOM (QUALCOMM Incorporated):

- Opportunities: Adoption of 5G technology and expansion into new markets.
- Threats: Legal disputes over patents and antitrust concerns.

19. STX (Seagate Technology Holdings plc):

- Opportunities: Demand for data storage solutions in cloud computing and digital transformation.
- Threats: Price pressure in the storage market and potential disruptions in the supply chain.

20. TSM (Taiwan Semiconductor Manufacturing Company Limited):

- Opportunities: Leadership in semiconductor manufacturing and expansion into advanced technologies.
- Threats: Geopolitical tensions affecting supply chains and competition from other foundries.

PROFITABILITY RATIOS

SYMBOLS	AMD	NVDA	MSFT	GOOG	QCOM	BABA	AMZN	TSM	META	NFLX	ADBE	PYPL	AVGO	MU	AMAT	INTC	STX	TXN	LUMN	ETSY	LRCX	CSCO
Net Profit Margin	0.255	0.26	0.365	0.221	0.269	0.21	0.055	0.381	0.339	0.11	0.409	0.196	0.124	0.212	0.21	0.268	0.123	0.387	-0.235	0.202	0.267	0.213
EBITDA ratio	0.254	0.422	0.506	0.402	0.389	0.142	0.158	0.687	0.472	0.641	0.418	0.221	0.535	0.549	0.321	0.431	0.204	0.548	0.27	0.239	0.332	0.326
Return on Equity ratio	0.422	0.366	0.437	0.302	0.718	0.066	0.241	0.276	0.315	0.323	0.326	0.192	0.27	0.174	0.481	0.208	15.13	0.583	-0.11	0.785	0.734	0.297
Return on Assets ratio	0.255	0.221	0.199	0.212	0.264	0.037	0.079	0.159	0.237	0.115	0.177	0.055	0.089	0.131	0.228	0.118	0.184	0.315	-0.021	0.129	0.268	0.126
Return on Capital Employed ratio	0.446	0.252	0.309	0.267	0.427	0.053	0.089	0.219	0.323	0.172	0.286	0.13	0.123	0.165	0.354	0.138	0.363	0.405	0.018	0.145	0.426	0.204
Gross Margin ratio	0.482	0.649	0.684	0.569	0.578	0.368	0.141	0.516	0.808	0.416	0.882	0.552	0.614	0.452	0.473	0.554	0.297	0.675	0.569	0.719	0.457	0.625
Operating Margin ratio	0.222	0.373	0.421	0.306	0.359	0.082	0.053	0.409	0.396	0.209	0.368	0.168	0.31	0.315	0.299	0.246	0.168	0.488	0.046	0.2	0.312	0.271
Operating Cash Flow ratio	0.83	2.101	0.936	1.426	0.767	0.372	0.326	1.467	2.729	0.046	1.043	0.147	2.191	2.014	0.858	1.092	0.466	3.408	0.983	1.058	0.679	0.516
Return on Invested Capital ratio	0.446	0.252	0.309	0.267	0.427	0.053	0.089	0.219	0.323	0.172	0.286	0.13	0.123	0.165	0.354	0.138	0.363	0.405	0.018	0.145	0.426	0.204
Return on Sales ratio	0.222	0.373	0.421	0.306	0.359	0.082	0.053	0.409	0.396	0.209	0.368	0.168	0.31	0.315	0.299	0.246	0.168	0.488	0.046	0.2	0.312	0.271

Highest Profitability Ratio (TXN):

A high profitability ratio for TXN suggests that the company is effectively managing its costs and generating substantial profits in relation to its revenue.

Investors and stakeholders often view high profitability ratios positively, as they indicate financial health and efficiency.

Lowest Profitability Ratio (LUMN):

A low profitability ratio for LUMN implies that the company may be facing challenges in generating profits relative to its expenses.

This could be due to various factors, such as high operating costs, lower profit margins, or other financial difficulties.

OPERATING RATIOS

SYMBOLS	AMD	NVDA	MSFT	GOOG	QCOM	BABA	AMZN	TSM	META	NFLX	ADBE	PYPL	AVGO	MU	AMAT	INTC	STX	TXN	LUMN	ETSY	LRCX	CSCO
Fixed Asset Turnover ratio	15.37	7.462	2.265	2.33	8.553	4.965	2.171	0.791	1.686	22.44	7.46	13.29	11.69	0.784	10.35	1.249	4.998	3.568	0.786	8.468	10.46	25.82
Working Capital Turnover ratio	9.073	2.704	8.515	5.964	14.18	9.644	70.9	5.924	7.257	-216.3	28.13	8.386	9.198	7.253	7.388	9.906	90.46	5.665	-24.35	7.545	6.677	18.29
Total Asset Turnover ratio	1.323	0.609	0.543	0.717	0.902	0.503	1.117	0.426	0.71	0.666	0.579	0.335	0.363	0.464	0.893	0.469	1.304	0.743	0.349	0.608	1.002	0.548
Inventory Turnover ratio	4.35	3.623	16.74	94.82	2.939	0	12.36	3.977	0	0	0	0	8.177	2.53	2.819	3.267	5.235	3.125	85.09	0	2.359	7.519
Days of inventory on hand ratio	83.9	100.7	21.8	3.849	124.2	0	29.53	91.79	0	0	0	0	44.64	144.2	129.5	111.7	69.73	116.8	4.29	0	154.7	48.54
Accounts Receivables Turnover ratio	6.069	5.788	4.48	6.398	7.833	0	14.28	8.003	8.4	36.92	8.405	0.607	13.25	5.996	4.656	8.356	7.612	10.78	10.18	9.412	3.993	4.898
Payables Turnover ratio	6.438	5.294	3.297	18.38	4.909	0	5.13	3.978	5.547	20.7	5.978	0.291	9.766	7.871	8.253	6.127	3.981	9.139	7.878	1.799	9.252	8.465
Debt-to-Assets ratio	0.396	0.398	0.544	0.3	0.632	0.362	0.671	0.422	0.248	0.645	0.457	0.713	0.669	0.247	0.526	0.434	0.988	0.46	0.812	0.836	0.635	0.577
Interest Coverage ratio	107.3	42.55	40.42	227.5	32.37	3.379	13.75	120.1	101.4	8.091	51.35	18.37	4.519	51.33	29.19	32.59	7.851	48.7	0.577	47.12	29.13	38.8
Asset-to-Equity ratio	1.657	1.66	2.191	1.428	2.721	1.567	3.042	1.731	1.329	2.813	1.841	3.489	3.024	1.328	2.109	1.765	82.06	1.851	5.321	6.096	2.739	2.363

Highest Operating Ratio (STX):

STX has the highest operating ratios and maximum values, it suggests that the company may be less efficient in its operations or may have higher costs relative to its revenue. High operating ratios could be indicative of lower profitability or operational challenges.

Lowest Operating Ratio (BABA):

BABA has the lowest operating ratios and minimum values, it suggests that the company is more efficient in managing its operations and has lower costs relative to its revenue. Lower operating ratios are generally considered positive as they indicate higher profitability and better operational performance.

LEVERAGE RATIOS

SYMBOLS	AMD	NVDA	MSFT	GOOG	QCOM	BABA	AMZN	TSM	META	NFLX	ADBE	PYPL	AVGO	MU	AMAT	INTC	STX	TXN	LUMN	ETSY	LRCX	CSCO
Debt-to-equity ratio	0.047	0.439	0.351	0.104	0.752	0.14	0.842	0.295	0.102	0.927	0.309	0.37	1.578	0.149	0.464	0.351	46.77	0.572	2.635	3.795	0.795	0.212
Equity multiplier ratio	1.657	1.66	2.191	1.428	2.721	1.788	3.042	1.733	1.329	2.813	1.841	3.489	3.024	1.328	2.109	1.765	82.06	1.851	5.321	6.096	2.739	2.363
Total Debt-to-Capitalization ratio	0.081	0	0.269	0.101	0.462	0.13	0	0.26	0.1	0.493	0.24	0.294	0.614	0.131	0.32	0.285	0.981	0.379	0.743	0.792	0.443	0.193
Total Debt-to-Capital ratio	0.081	0.305	0.269	0.101	0.462	0.13	0.457	0.26	0.1	0.493	0.24	0.294	0.614	0.131	0.32	0.285	0.981	0.379	0.743	0.792	0.443	0.193
Net Debt-to-EBITDA ratio	-0.449	0.854	0.472	0.072	0.724	-0.4	1.08	-0.286	-0.049	0.492	0.125	0.688	1.876	-0.044	0.098	0.976	2.136	0.347	5.684	2.893	0.259	0.149
Degree of Financial Leverage ratio	2.764	1.256	2.238	53.64	0.208	0.708	2.502	-0.525	2.062	1.287	1.308	2.385	2.073	0.999	0.698	1.007	-0.119	2.742	-0.802	1.385	0.806	210.8

Highest Leverage Ratio (STX):

If STX has the highest leverage ratios, it implies that the company relies more on debt to finance its operations and investments compared to equity. This could indicate a higher level of financial risk. A high debt-to-equity ratio or debt ratio means that a significant portion of STX's funding comes from borrowed capital, which can lead to higher interest payments and financial obligations.

Lowest Leverage Ratio (AMD):

If AMD has the lowest leverage ratios, it suggests that the company uses less debt relative to equity to finance its activities. This generally indicates a lower level of financial risk and may be seen as a more conservative approach. A low debt-to-equity ratio or debt ratio means that AMD has a smaller proportion of debt in its capital structure, which can result in lower interest expenses and reduced financial risk.

VALUATION RATIOS

SYMBOLS	AMD	NVDA	MSFT	GOOG	QCOM	BABA	AMZN	TSM	META	NFLX	ADBE	PYPL	AVGO	MU	AMAT	INTC	STX	TXN	LUMN	ETSY	LRCX	CSCO
Earnings per Share ratio (EPS)	2.61	3.91	9.7	5.694	11.52	23.03	3.298	115.1	13.99	11.55	10.1	3.55	15.7	7.81	6.47	4.89	7.5	8.44	-1.14	3.88	32.92	2.83
Book Value per Share ratio (BVPS)	6.181	10.66	22.22	18.84	16.04	351	13.66	414.4	44.36	35.95	31.02	18.51	60.95	44.88	13.46	23.5	0.495	14.48	10.34	4.941	44.88	9.538
Cash Earnings per Share ratio	2.903	3.649	11.88	6.864	8.1	52.83	4.578	214.5	20.49	0.89	15.16	5.4	33.57	13.65	5.98	7.389	7.532	9.507	6.046	5.121	22.16	3.172
Price to Earnings ratio (P/E)	44.7	60.09	28.93	23.41	10.35	27.61	43.67	29.47	21.57	33.12	56.09	46.05	33.7	6.413	22.75	10.61	10.67	21.02	-10.84	37.63	13.59	16.14
Price to Book Value ratio (P/B)	18.85	22.02	12.64	7.073	7.43	1.812	10.54	8.122	6.801	10.69	18.28	8.836	9.084	1.116	10.94	2.21	161.4	12.25	1.197	29.54	9.965	4.792
Price to Sales ratio (P/S)	8.601	21.77	10.61	6.908	3.028	2.015	3.101	11	7.202	5.707	17.14	7.567	8.27	1.811	5.808	2.668	1.509	8.901	0.645	7.972	3.632	3.697
Price to Free Cash Flow ratio (P/FCF)	43.9	72.06	32.3	26.56	19.58	12.04	-98.94	66.44	21.71	-1284	39.3	35.34	17.04	17.89	28.06	21.82	13.79	25.94	4.78	29.79	24.5	14.95
Price/Earnings-to-Growth ratio	1.841	0.491	1.487	0.253	0.234	-0.471	0.757	1.936	0.585	0.392	-7.306	-54.95	0.246	0.13	0.357	-5.872	0.28	0.54	-0.141	1.084	0.649	1.266
Dividend Yield ratio	0	7E-04	0.009	0	0.024	0	0	0.015	0	0	0	0	0.027	0.008	0.006	0.027	0.035	0.024	0.083	0	0.013	0.033
Dividend Payout ratio	0	0.041	0.249	0	0.248	0	0	0.449	0	0	0	0	0.922	0.053	0.142	0.284	0.37	0.5	-0.9	0	0.177	0.527
Enterprise Value-to-EBITDA ratio	33.43	52.48	21.47	17.26	8.343	13.76	20.7	15.72	15.2	9.391	41.07	34.99	17.33	3.245	17.47	7.16	9.532	16.58	8.072	36.3	11.21	11.81
Enterprise Value-to-Sales ratio	3.54	8.995	3.387	2.419	1.167	0.087	1.123	0.059	2.562	1.973	5.554	2.446	2.686	0.532	1.868	0.814	0.524	2.648	0.536	3.684	1.242	0.953

Highest Valuation Ratio(NVDA):

If NVDA has the highest valuation ratio and maximum values, it suggests that investors are willing to pay a premium for each unit of earnings or revenue. This could be due to high expectations for NVIDIA's growth, innovative products, or strong financial performance.

Investors might be optimistic about NVDA's future earnings potential, leading to a higher P/E ratio and/or P/S ratio.

Lowest Valuation Ratio (LUMN):

If LUMN has the lowest valuation ratio and minimum values, it implies that the stock is relatively cheaper compared to its earnings or revenue. This could be due to concerns about the company's growth prospects, financial health, or market conditions.

Investors might be more cautious about LUMN's future performance, leading to a lower P/E ratio and/or P/S ratio.

LIQUIDITY RATIOS

SYMBOLS	AMD	NVDA	MSFT	GOOG	QCOM	BABA	AMZN	TSM	META	NFLX	ADBE	PYPL	AVGO	MU	AMAT	INTC	STX	TXN	LUMN	ETSY	LRCX	CSCO
Current ratio	2.024	6.65	1.785	2.928	1.747	1.664	1.136	2.119	3.154	0.951	1.251	1.222	2.641	2.889	2.539	2.102	1.134	5.327	0.479	2.179	2.691	1.432
Quick ratio	1.49	5.965	1.567	2.8	1.013	1.186	0.906	1.85	2.935	0.805	1.107	1.192	2.266	1.918	1.641	1.379	0.604	4.453	0.368	2.001	1.746	1.162
Cash ratio	0.598	0.459	0.147	0.326	0.234	0.495	0.255	1.404	0.785	0.71	0.555	0.121	1.936	1.096	0.787	0.176	0.173	1.803	0.061	1.267	0.772	0.276
Days of Sales Outstanding	60.14	63.06	81.48	57.05	46.6	0	25.55	45.61	43.45	9.885	43.43	601.2	27.54	60.88	78.39	43.68	47.95	33.85	35.86	38.78	91.4	74.53
Days of Sales in Inventory ratio	60.14	63.06	81.48	57.05	46.6	0	25.55	45.61	43.45	9.885	43.43	601.2	27.54	60.88	78.39	43.68	47.95	33.85	35.86	38.78	91.4	74.53
Days of Payables Outstanding	56.69	68.95	110.7	19.86	74.35	0	71.16	91.75	65.8	17.64	61.06	1253	37.37	46.37	44.22	59.58	91.7	39.94	46.33	202.9	39.45	43.12
Operating Cycle	144	163.8	103.3	60.9	170.8	0	55.08	137.4	43.45	9.885	43.43	601.2	72.17	205.1	207.8	155.4	117.7	150.7	40.15	38.78	246.1	123.1
Cash Conversion Cycle	87.35	94.85	-7.412	41.04	96.45	0	-16.08	45.65	-22.35	-7.751	-17.64	-651.5	34.8	158.8	163.6	95.81	25.99	110.7	-6.178	-164.1	206.7	79.95

Highest Liquidity Ratio (PYPL):

PYPL has the highest liquidity ratios and maximum values, implying that it has a robust ability to meet its short-term obligations. This could be attributed to a substantial level of cash, marketable securities, and receivables in comparison to its current liabilities. A high liquidity ratio is generally regarded as positive, signifying financial stability and the capability to address immediate financial requirements.

Lowest Liquidity Ratio (BABA):

BABA has the lowest liquidity ratios, and the minimum values suggest that it has a relatively lower capacity to cover its short-term liabilities. This might be attributed to a lower level of liquid assets compared to its current liabilities. A low liquidity ratio could raise concerns about the company's ability to manage its short-term financial obligations, potentially indicating financial stress.

SHARPE RATIO

SYMBOLS	Sharpe Ratio
ADBE	0.5995
AMAT	0.6347
AMD	0.9207
AVGO	0.6232
BABA	0.0464
CSCO	0.03296
ETSY	0.783
GOOGL	0.4547
INTC	-0.1046
LRCX	0.6292
LUMN	-0.4699
META	0.0612
MSFT	0.8349
MU	0.4172
NFLX	0.337
NVDA	1.0307
PYPL	0.2773
QCOM	0.3124
STX	0.1312
TSM	0.5998

The Sharpe ratio serves as a gauge for the risk-adjusted return of an investment. It is computed by subtracting the risk-free rate of return from the investment's return and then dividing the result by the standard deviation of the investment's return. A higher Sharpe ratio indicates superior risk-adjusted performance.

NVIDIA (NVDA) claims the highest Sharpe ratio at 1.0307, positioning it as the top performer in terms of risk-adjusted returns.

Conversely, Lumen Technologies (LUMN) exhibits the lowest Sharpe ratio at -0.4699. A negative Sharpe ratio implies that the investment's return fails to compensate adequately for the level of risk assumed.

The three stocks boasting the highest Sharpe ratios are as follows:

NVDA - 1.0307
AMD - 0.9207
MSFT - 0.8349

SORTINO RATIO

SYMBOLS	Sortino Ratio
AMD	0.104003913
NVDA	0.102918579
MSFT	0.08732782
GOOGL	0.050979924
QCOM	0.053159348
BABA	0.024842703
TSM	0.075564887
META	0.022039806
NFLX	0.048442965
ADBE	0.063840657
PYPL	0.0415637
AVGO	0.074585746
MU	0.056697183
AMAT	0.073437651
INTC	0.012920097
STX	0.040796555
LUMN	-0.009049008
ETSY	0.090858821
LRCX	0.074716392
CSCO	0.050011075

The Sortino Ratio serves as a metric for assessing the risk-adjusted performance of an investment, specifically emphasizing downside volatility. This ratio is derived by dividing the excess return over the risk-free rate by the downside semi-variance. A higher Sortino Ratio implies superior risk-adjusted performance.

Within the presented list of stock symbols and their respective Sortino Ratios:
The highest Sortino Ratio is attributed to AMD, standing at 0.104003913.

Conversely, the lowest Sortino Ratio is associated with LUMN, reflecting a negative value of -0.009049008.

The top three stocks exhibiting the highest Sortino Ratios are as follows:

1. AMD (Advanced Micro Devices): 0.104003913
2. NVDA (NVIDIA Corporation): 0.102918579
3. ETSY (Etsy, Inc.): 0.090858821

These three stocks stand out within the list, showcasing the most elevated Sortino Ratios and suggesting relatively superior risk-adjusted performance when compared to their counterparts.

BURKE RATIO

SYMBOLS	Burke Ratio
AMD	0.392056985
NVDA	0.419099611
MSFT	0.379271479
GOOGL	0.177601762
QCOM	0.167156638
BABA	0.017954225
TSM	0.300004359
META	0.024028725
NFLX	0.127882969
ADBE	0.236807548
PYPL	0.104821814
AVGO	0.296911484
MU	0.162579227
AMAT	0.266785953
INTC	-0.008478697
STX	0.104100119
LUMN	-0.114674728
ETSY	0.31074997
LRCX	0.273308062
CSCO	0.177538151

The Burke Ratio serves as a metric for assessing risk-adjusted returns by considering both the return and volatility of an investment. It is derived by dividing the excess return by the semi-variance of returns, where the excess return represents the return surpassing a specified benchmark.

In the provided dataset, various stocks are accompanied by their corresponding Burke Ratios. A higher Burke Ratio signifies a superior risk-adjusted return, while a lower ratio may indicate comparatively diminished risk-adjusted performance.

Highest Burke Ratio:

1. NVDA (NVIDIA) with a Burke Ratio of 0.419099611
2. AMD (Advanced Micro Devices) with a Burke Ratio of 0.392056985
3. ETSY with a Burke Ratio of 0.31074997

Lowest Burke Ratio:

1. INTC (Intel) with a Burke Ratio of -0.008478697
2. LUMN with a Burke Ratio of -0.114674728
3. BABA (Alibaba) with a Burke Ratio of 0.017954225

It is crucial to note that a negative Burke Ratio, as observed in the cases of INTC and LUMN, implies that the stock's risk-adjusted return falls below the benchmark, indicating less favorable performance. While the Burke Ratio is a valuable metric, it is just one of many tools for evaluating investments. Comprehensive analysis, considering various factors, is imperative before making investment decisions.

CALMAR RATIO

SYMBOLS	Calmar Ratio
AMD	0.87022423
NVDA	0.78048472
MSFT	0.68510991
GOOGL	0.28914719
QCOM	0.34685557
BABA	0.02499566
TSM	0.40186661
META	0.03077346
NFLX	0.19950496
ADBE	0.33963519
PYPL	0.13837775
AVGO	0.52949465
MU	0.36782692
AMAT	0.51638023
INTC	-0.01216553
STX	0.19808812
LUMN	-0.17727597
ETSY	0.60760902
LRCX	0.51984267
CSCO	0.29004268

The Calmar Ratio is a measure of risk-adjusted performance, calculated by dividing the annualized rate of return by the maximum drawdown (the largest peak-to-trough decline) over a specified time period. A higher Calmar Ratio indicates better risk-adjusted performance.

Looking at the provided data, it appears that the symbol with the highest Calmar Ratio is AMD with a value of 0.87022423. This suggests that AMD has achieved a relatively higher return compared to its maximum drawdown.

On the other hand, the symbol with the lowest Calmar Ratio is INTC with a value of -0.01216553. A negative Calmar Ratio implies that the investment had a negative return during the analyzed period, and the denominator (maximum drawdown) is likely greater than the numerator (annualized rate of return).

The top 3 highest Calmar Ratios from the provided list are:

1. AMD: 0.87022423
2. AVGO: 0.52949465
3. ETSY: 0.60760902

These three stocks (AMD, AVGO, and ETSY) have relatively higher risk-adjusted performance compared to others in the list, as reflected by their Calmar Ratios.

INFORMATION RATIO

SYMBOLS	Information Ratio
AMD	0.064884185
NVDA	0.068458849
MSFT	0.059647883
GOOGL	0.035844059
QCOM	0.03554559
BABA	0.016188351
TSM	0.050755716
META	0.016299578
NFLX	0.034327497
ADBE	0.045139104
PYPL	0.028956244
AVGO	0.052428076
MU	0.038994102
AMAT	0.050709841
INTC	0.009309534
STX	0.029457974
LUMN	-0.006516516
ETSY	0.059062384
LRCX	0.050977054
CSCO	0.035562899

The Information Ratio (IR) is a measure of the excess return of a stock relative to a benchmark, per unit of risk. It is calculated by dividing the excess return by the tracking error, which measures the volatility of the excess return. A higher Information Ratio indicates a better risk-adjusted performance.

The stock with the highest Information Ratio is NVIDIA Corporation (NVDA) with a value of 0.068458849. The stock with the lowest Information Ratio is Lumen Technologies Inc. (LUMN) with a negative value of -0.006516516.

The top 3 stocks with the highest Information Ratios are:

1. NVDA (NVIDIA Corporation) - 0.068458849
2. AMD (Advanced Micro Devices) - 0.064884185
3. ETSY (Etsy Inc.) - 0.059062384

These stocks have demonstrated better risk-adjusted performance compared to the other stocks listed.

MARTIN RATIO

SYMBOLS	Martin Ratio
AMD	2.31625366
NVDA	1.87013999
MSFT	2.65616525
GOOGL	1.03532196
QCOM	0.89142174
BABA	0.04864271
TSM	1.19843445
META	0.08066121
NFLX	0.45721983
ADBE	0.9936874
PYPL	0.26012925
AVGO	2.39614428
MU	0.82712975
AMAT	1.27663301
INTC	-0.03142327
STX	0.48180259
LUMN	-0.37569468
ETSY	1.33114632
LRCX	1.51715456
CSCO	0.86354071

The Martin Ratio is a performance metric that considers both the return and risk of an investment. It is calculated by dividing the excess return over the risk-free rate by the downside semi-variance. A higher Martin Ratio indicates better risk-adjusted performance.

Highest Martin Ratio:

1. Microsoft (MSFT) - 2.65616525
2. Broadcom Inc. (AVGO) - 2.39614428
3. Advanced Micro Devices (AMD) - 2.31625366

Lowest Martin Ratio:

1. Intel (INTC) - (-0.03142327)
2. Lumen Technologies (LUMN) - (-0.37569468)
3. Alibaba Group Holding Limited (BABA) - 0.04864271

Please note that a negative Martin Ratio, as seen in Intel (INTC) and Lumen Technologies (LUMN), implies that the excess return over the risk-free rate is negative, indicating poor risk-adjusted performance.

Unfortunately, the information provided does not include the Ulcer Index for each stock. The Ulcer Index is a measure of downside risk that focuses on the depth and duration of drawdowns in price. Without the Ulcer Index values, it's not possible to identify the top 3 stocks based on this criterion. If you have the Ulcer Index values, I can help you with further analysis.

MODIGLIANI RATIO

SYMBOLS	Modigliani Ratio
AMD	0.007701964
NVDA	0.006994823
MSFT	0.003952918
GOOGL	0.003678241
QCOM	0.005428253
BABA	0.005786721
TSM	0.004578863
META	0.005267553
NFLX	0.006179353
ADBE	0.004945124
PYPL	0.005464903
AVGO	0.005137786
MU	0.006409102
AMAT	0.006109358
INTC	0.004479686
STX	0.005773996
LUMN	0.005464215
ETSY	0.007513445
LRCX	0.006230196
CSCO	0.003294109

The Modigliani Ratio is a measure of risk-adjusted performance, indicating the excess return of an investment relative to its volatility. A higher Modigliani Ratio generally suggests a better risk-adjusted performance.

Based on the list of stock symbols, it seems that the highest Modigliani Ratio belongs to ETSY (Etsy Inc.) with a ratio of 0.007513445. On the other hand, the lowest Modigliani Ratio is associated with Microsoft (MSFT) with a ratio of 0.003952918.

Top 3 highest Modigliani Ratios:

1. ETSY (Etsy Inc.): 0.007513445
2. AMD (Advanced Micro Devices): 0.007701964
3. MU (Micron Technology): 0.006409102

OMEGA RATIO

SYMBOLS	Omega Ratio
AMD	0.20937239
NVDA	0.21653399
MSFT	0.19189713
GOOGL	0.10960751
QCOM	0.11310768
BABA	0.0491048
TSM	0.15264325
META	0.05225098
NFLX	0.10833639
ADBE	0.14483405
PYPL	0.08904753
AVGO	0.16216964
MU	0.11172754
AMAT	0.15280904
INTC	0.02888785
STX	0.09073672
LUMN	-0.0196472
ETSY	0.18452613
LRCX	0.15607531
CSCO	0.11400446

The Omega Ratio is a risk-return performance measure that evaluates the effectiveness of an investment strategy by comparing the gains and losses during different market conditions. It is calculated by dividing the average gain during up markets by the absolute value of the average loss during down markets.

Based on the list of stock symbols and their corresponding Omega Ratios:

- Highest Omega Ratio: NVDA with an Omega Ratio of 0.21653399
- Lowest Omega Ratio: LUMN with an Omega Ratio of -0.0196472

Top 3 Highest Omega Ratios:

1. NVDA: 0.21653399
2. AMD: 0.20937239
3. ETSY: 0.18452613

These values suggest that NVDA has the highest risk-adjusted returns among the listed stocks, while LUMN has a negative Omega Ratio, indicating that its average loss during down markets is larger than its average gain during up markets. The top 3 highest Omega Ratios represent stocks with relatively better risk-adjusted performance based on the provided data.

STERLING RATIO

SYMBOLS	Sterling Ratio
AMD	0.75488628
NVDA	0.67824015
MSFT	0.53980112
GOOGL	0.23591691
QCOM	0.28296439
BABA	0.02222106
TSM	0.34140525
META	0.02722552
NFLX	0.17629249
ADBE	0.29113077
PYPL	0.1226719
AVGO	0.43867195
MU	0.31004424
AMAT	0.43710698
INTC	-0.01046701
STX	0.16851913
LUMN	-0.15555356
ETSY	0.53757622
LRCX	0.441545
CSCO	0.23421276

The Sterling Ratio is a risk-adjusted performance measure that evaluates the return of an investment relative to its downside risk. It is calculated by dividing the excess return over the risk-free rate by the semi-deviation (volatility of negative returns). A higher Sterling Ratio indicates better risk-adjusted performance.

Based on the provided Sterling Ratios:

Highest Sterling Ratio:

1. AMD (Advanced Micro Devices): 0.75488628
2. AVGO (Broadcom Inc.): 0.43867195
3. LRCX (Lam Research Corporation): 0.441545

Lowest Sterling Ratio:

1. INTC (Intel Corporation): -0.01046701
2. LUMN (Lumen Technologies Inc.): -0.15555356
3. META (Meta Platforms, Inc.): 0.02722552

It's important to note that a negative Sterling Ratio, as seen with INTC and LUMN, suggests that the investment may not be providing adequate return for the level of downside risk taken. Investors typically look for positive Sterling Ratios to identify investments with better risk-adjusted returns.

RACHEV RATIO

SYMBOLS	Rachev Ratio
AMD	1.1933116
NVDA	1.0685501
MSFT	1.0161788
GOOGL	0.9590197
QCOM	1.0488384
BABA	1.0823336
TSM	1.0892563
META	0.9316353
NFLX	1.0372994
ADBE	0.9481195
PYPL	1.0268586
AVGO	1.0002419
MU	1.0280525
AMAT	1.0334737
INTC	0.9517466
STX	0.9378116
LUMN	0.9394872
ETSY	1.111371
LRCX	1.0296386
CSCO	0.9749935

The Rachev Ratio is a measure of downside risk and is calculated as the ratio of the expected return to the potential loss exceeding a certain threshold. A higher Rachev Ratio indicates a better risk-adjusted return.

In the provided list, the stock with the highest Rachev Ratio is ETSY with a value of 1.111371. This suggests that ETSY has the highest expected return relative to the downside risk, making it favorable in terms of risk-adjusted performance.

On the other hand, the stock with the lowest Rachev Ratio is META with a value of 0.9316353. This indicates that META has a lower expected return relative to its downside risk compared to other stocks in the list.

The top 3 highest Rachev Ratios in the given list are:

1. ETSY: 1.111371
2. AMD: 1.1933116
3. TSM: 1.0892563

These stocks are considered to have the best risk-adjusted returns among the listed symbols based on the Rachev Ratio.

TREYNOR RATIO

SYMBOLS	Treynor Ratio
AMD	-0.5269042
NVDA	-0.5077962
MSFT	-0.7318333
GOOGL	-0.7911196
QCOM	-0.6991398
BABA	-0.9290278
TSM	-0.8536229
META	-0.7308099
NFLX	-0.784689
ADBE	-0.6973388
PYPL	-0.6773266
AVGO	-0.6886777
MU	-0.5774764
AMAT	-0.5531664
INTC	-0.7479886
STX	-0.7766539
LUMN	-0.9400748
ETSY	-0.6022077
LRCX	-0.5437669
CSCO	-0.8950427

The Treynor Ratio serves as a metric for assessing the risk-adjusted performance of a financial instrument, factoring in its systematic risk or beta. This ratio is determined by dividing the excess return over the risk-free rate by the asset's beta. In this analysis, all Treynor Ratios for the stocks are negative, implying that the returns failed to compensate for the incurred systematic risk. A negative Treynor Ratio indicates that the investment yielded insufficient returns considering its level of risk.

Among the listed stocks, LUMN exhibits the lowest Treynor Ratio, standing at -0.9400748. This value signifies that LUMN had the least favorable risk-adjusted performance compared to the other stocks.

The stock with the lowest Treynor Ratio in your list is LUMN with a value of -0.9400748, indicating it had the poorest risk-adjusted performance among the listed stocks.

As for the top 3 highest Treynor Ratios:

1. AMD: -0.5269042
2. NVDA: -0.5077962
3. MU: -0.5774764

These values suggest that, among the listed stocks, AMD, NVDA, and MU experienced relatively better risk-adjusted performance compared to the rest, despite all ratios being negative.

ULCER INDEX

SYMBOLS	Ulcer Index
AMD	0.24589762
NVDA	0.27684307
MSFT	0.09581779
GOOGL	0.1237781
QCOM	0.17232791
BABA	0.41154033
TSM	0.18934736
META	0.29275968
NFLX	0.33139128
ADBE	0.20514915
PYPL	0.4154901
AVGO	0.1067322
MU	0.23861411
AMAT	0.22303038
INTC	0.23858533
STX	0.23431595
LUMN	0.3378982
ETSY	0.35037812
LRCX	0.19322728
CSCO	0.14090378

The Ulcer Index is a measure of the downside risk in an investment, taking into account both the depth and duration of drawdowns. It is calculated based on the volatility and the percentage drawdowns from previous peaks. A lower Ulcer Index indicates less risk.

Looking at the provided Ulcer Index values for various stocks:

• **Lowest Ulcer Index:**

- **Microsoft (MSFT):** 0.09581779

• **Highest Ulcer Index:**

- **Alibaba Group (BABA):** 0.41154033

• **Top 3 Highest Ulcer Index:**

- **PayPal Holdings (PYPL):** 0.4154901
- **Alibaba Group (BABA):** 0.41154033
- **Netflix (NFLX):** 0.33139128

These values indicate that PayPal Holdings (PYPL) has the highest Ulcer Index, followed by Alibaba Group (BABA) and Netflix (NFLX). Microsoft (MSFT) has the lowest Ulcer Index among the listed stocks, suggesting relatively lower downside risk compared to others.

CONCLUSION

In conclusion, effectively navigating the terrain of technology stocks requires a nuanced comprehension of their distinct attributes, encompassing strengths, weaknesses, opportunities, and threats. Each stock embodies differing levels of risk and return ratios, alongside varying degrees of profitability, leverage, valuation, and liquidity ratios. Making informed investment choices involves meticulously evaluating these factors and selecting stocks that harmonize with your financial goals and risk appetite. By conducting thorough analysis and considering all relevant metrics, investors can position themselves to capitalize on the dynamic nature of the technology sector and optimize their investment portfolios for long-term success.

THANK YOU FOR INVESTING YOUR TIME WITH ME.
LET'S ADDRESS ANY UNCERTAINTIES TOGETHER.

