

Comparative Analysis

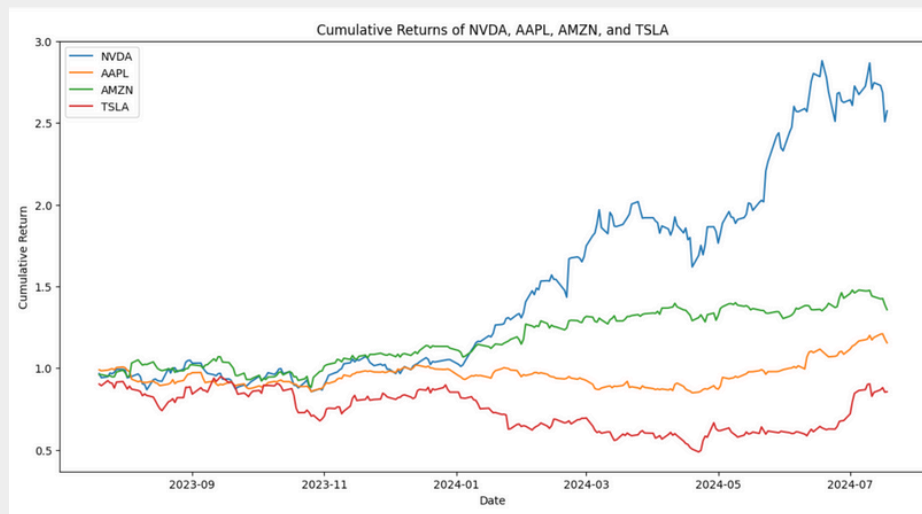
ISSUE 01

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4 Tech Stocks - Which are most promising?

Nvidia, Apple, Tesla and Amazon have all been dominate forces of nature this past year, but which could be the most & least promising investment as of today? Using this past year's performance, we will investigate the relationships amongst each stock by importing stock data from Nasdaq (<https://data.nasdaq.com/>), and using statistical analysis techniques.

Cumulative Returns



The visualization shows the cumulative returns of Nvidia, Amazon, Apple, and Tesla over the past year. Cumulative return, which accounts for all gains and losses, provides a comprehensive view of each stock's performance. This data enables us to confidently recommend investing in Nvidia and Amazon, while advising caution with Tesla, as Nvidia had the highest cumulative returns, with Tesla having the least.

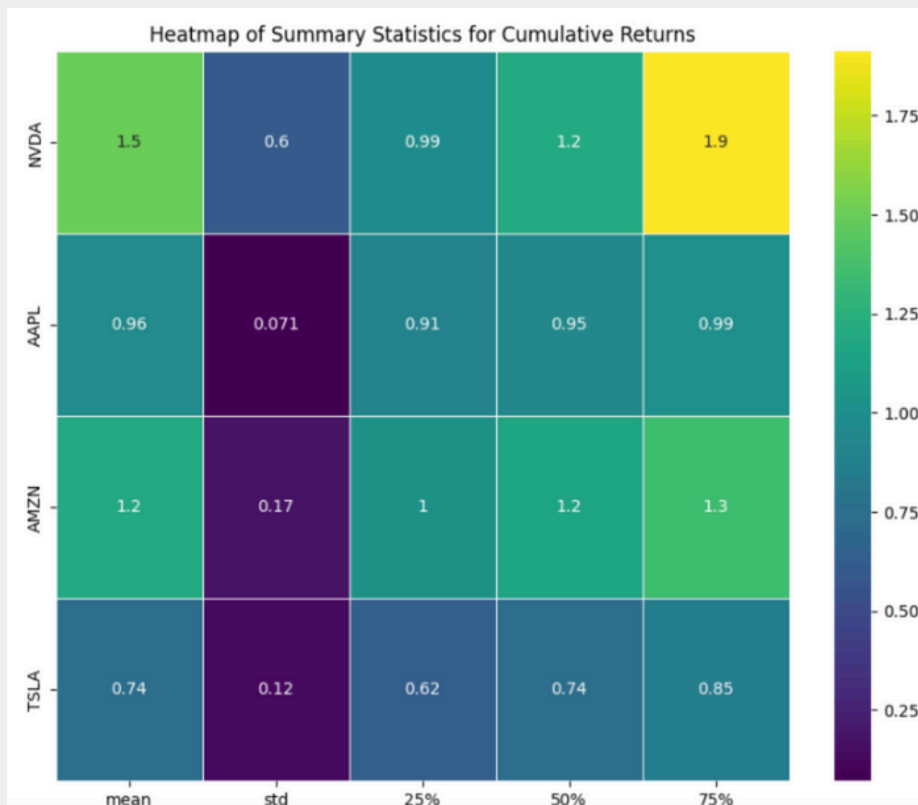
About Us

Founded in 2024, our team aims at giving data backed investment strategy insight.

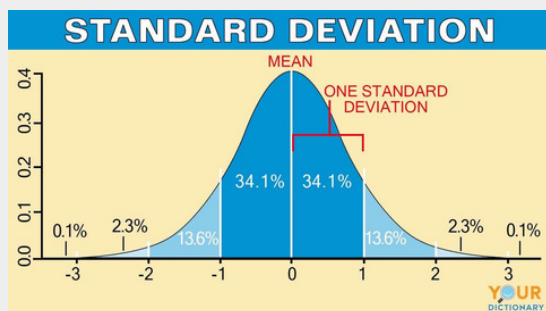
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Is Nvidia “King of the Hill”?

The heat map visualization of the four tech companies—Nvidia, Amazon, Apple, and Tesla—displays key statistical measures: mean, standard deviation (std), and percentiles (25%, 50%, 75%). Our findings show that Nvidia led with the highest average stock price returns, followed by Amazon, Apple, and Tesla. In terms of volatility, as indicated by the standard deviation, Nvidia again ranked highest, followed by Amazon, Tesla, and Apple.



Statistical Analysis & why?



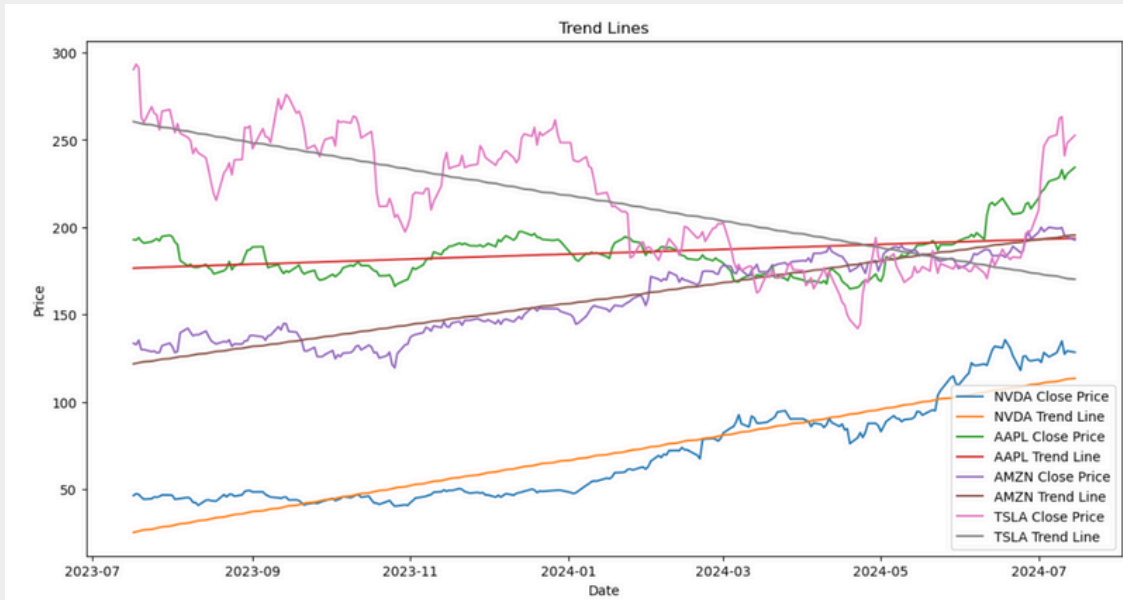
Using these measures, the mean provides insight into the average performance, the standard deviation indicates volatility, and percentiles offer a detailed view of the distribution of returns.

This comprehensive analysis helps in making data-backed investment recommendations.

[\[Read more\]](#)

Is Nvidia “King of the Hill”? (continued)

Trend Lines on daily closed prices



The trend line visualization of daily closing prices for Nvidia, Amazon, Apple, and Tesla highlights their performance over the past year. Nvidia had the strongest positive trend, indicating consistent growth, followed by Amazon and Apple.

In contrast, Tesla exhibited a negative trend line, suggesting a decline. Trend lines are important for future investing as they reveal the general direction and momentum of a stock's price, helping investors make informed decisions based on past performance and potential future behavior.

King of the Hill? No. More like the World.

Conclusions

Based on our comprehensive analysis of the four major tech stocks—Nvidia, Amazon, Apple, and Tesla—we utilized various visualizations and statistical measures to evaluate their performance over the past year. The cumulative returns visualization revealed Nvidia as the most dominant, followed by Amazon, Apple, and Tesla. Our heatmap analysis, incorporating mean, standard deviation, and percentiles, further supported Nvidia's strong performance, although it also highlighted its higher volatility.

The trend line analysis of daily closing prices showed a positive trend for Nvidia, Amazon, and Apple, with Nvidia having the most pronounced upward trend, while Tesla exhibited a negative trend.

Based on these insights, we recommend the strongest investment position in Nvidia, followed by Amazon and Apple, with the smallest position in Tesla. These conclusions are derived from the past year's data, providing a projection of growth and performance potential if all continues following the past trends and performance. Therefore - All hail to king Nvidia.



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