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The Alphabet Boot Camp: Analyzing the Impact of Bachelor's Degrees in Military Technologies and Applied Sciences on Alphabet's (GOOGL) Stock Price

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Abstract

This study delves into the intriguing relationship between the number of Bachelor's degrees awarded in military technologies and applied sciences and the stock price of Alphabet Inc. (GOOGL) over the period from 2012 to 2021. Leveraging datasets from the National Center for Education Statistics and LSEG Analytics (Refinitiv), our analysis reveals a remarkable correlation coefficient of 0.9879064 and statistically significant p-value of less than 0.01. While it may seem like comparing military technology training to a stock price is like comparing apples to oranges, our findings suggest otherwise, hinting at a potential connection that is as unexpected as a soldier armed with a fruit salad. As the number of individuals equipped with knowledge in military technologies and applied sciences increases, it appears to wield an influence on the stock performance of Alphabet Inc. Much like a sergeant barking orders, the data commands attention to this intriguing association. Further research is needed to unravel the underlying mechanisms of this peculiar correlation, but for now, investors may want to keep an eye on the battlefield of military technology education for potential stock market intelligence.

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1. Introduction

The intersection between military technologies and applied sciences and the stock market may at first seem as incongruous as a submarine in a desert. However, as we dive into this research, we aim to shed light on the unexpected correlation between the number of Bachelor's degrees awarded in this field and

the stock price of Alphabet Inc. (GOOGL). It is a correlation that may have you saying, "At ease with the math, soldier!"

The allure of military technologies and applied sciences in the context of stock price movements has not escaped our attention. This unexpected relationship has the potential to unleash a barrage of new insights and implications for investors and

educators alike. It's as if the stock market is performing its own version of drill exercises.

Harnessing data from the National Center for Education Statistics and LSEG Analytics (Refinitiv), we aim to uncover the mysteries behind this connection, just like a detective snooping around a military base. By doing so, we hope to provide better understanding and maybe even some light entertainment to those interested in the seemingly uncharted territory of stock market movements.

2. Literature Review

Several studies have examined the relationship between educational trends and stock market performance. In "Smith and Doe," the authors find a positive correlation between the number of Bachelor's degrees awarded in military technologies and applied sciences and the stock price of technology companies. Similarly, "Jones" identifies a significant association between the educational background of individuals in the technology sector and the stock performance of relevant companies. These findings suggest a potential link between military technology education and stock market movements that warrants further investigation.

Now, it's time to turn to some texts that sound like they could be related to this topic. "The Art of War" by Sun Tzu may seem like an unlikely source for insights into stock market trends, but its strategic principles could provide some surprising parallels. Similarly, "Ghost Fleet" by P.W. Singer and August Cole offers a fictional narrative about technological warfare that could spark some imaginative connections to stock market dynamics. Additionally, "Starship Troopers" by Robert A. Heinlein delves into military technology and its societal implications, albeit in a fictional realm - but who's to say there aren't real-world implications for stock prices as well?

In the realm of social media, a Twitter post by @TechInvestorXYZ asserts, "The rise of military technology graduates is like launching a new IPO - it's all about strategic positioning for market domination." This perspective from the Twittersphere sheds light on the speculation surrounding the connection between military technology education and stock market dynamics.

Oh, that's a good one! It's as if the stock market is embroiled in a battle of wits and weapons, and those with military technology knowledge are the unexpected generals of the financial front lines. With insights and puns to boot, this literature review provides a diverse array of perspectives on the intriguing correlation between Bachelor's degrees in military technologies and applied sciences and Alphabet Inc.'s stock price.

3. Our approach & methods

In order to investigate the relationship between the number of Bachelor's degrees awarded in military technologies and applied sciences and the stock price of Alphabet Inc. (GOOGL), a comprehensive and meticulous research approach was employed. Our research team gathered data from the National Center for Education Statistics and LSEG Analytics (Refinitiv), with a focus on the years spanning from 2012 to 2021. This timeframe was chosen to capture a broad spectrum of market dynamics and educational trends, akin to a soldier surveying the battlefield over a decade.

To begin, the data on Bachelor's degrees awarded in military technologies and applied sciences was gathered from the National Center for Education Statistics, which provided a robust and standardized source of information comparable to a well-structured formation of troops. This data encompassed the number of degrees awarded annually, and was cross-referenced with personnel records to ensure

accuracy and consistency. The stock price data for Alphabet Inc. (GOOGL) was obtained from LSEG Analytics (Refinitiv), leveraging their comprehensive financial databases comparable to a well-stocked arsenal.

The next step in the analysis involved employing advanced statistical methods to assess the correlation between the number of Bachelor's degrees in military technologies and applied sciences and the stock price of Alphabet Inc. (GOOGL). The Pearson correlation coefficient was calculated to measure the strength and direction of the linear relationship between these variables, akin to evaluating the precision of military equipment. Additionally, a multiple regression analysis was conducted to control for potential confounding variables and uncover the underlying factors driving this unexpected connection.

To ensure the robustness and reliability of our findings, sensitivity analyses were conducted, modifying the time frame and inclusion criteria to test the stability of the observed relationship. The methodology was designed to withstand scrutiny and skepticism, much like a sturdy bunker in the face of attack.

Finally, a battery of diagnostic tests and model fit assessments were performed to evaluate the validity and generalizability of the results. The statistical models were scrutinized with the same attention to detail as a sergeant inspecting the troops to guarantee their readiness for battle. This comprehensive approach aimed to provide a nuanced and comprehensive understanding of the link between military technology education and stock price movements, ensuring that our findings are as rock-solid as a well-fortified base.

In summary, the methodology implemented in this study entailed a rigorous and methodical approach to unravel the intricate

relationship between Bachelor's degrees in military technologies and applied sciences and the stock price of Alphabet Inc. (GOOGL). This research aimed to capture the essence of precision and thoroughness, much like a disciplined soldier executing a meticulously planned operation.

And remember, "I told my wife she should embrace her mistakes. She gave me a hug".

4. Results

The analysis of the data from 2012 to 2021 revealed a striking correlation coefficient of 0.9879064 between the number of Bachelor's degrees awarded in military technologies and applied sciences and the stock price of Alphabet Inc. (GOOGL). With an r-squared of 0.9759590, the relationship between these seemingly disparate variables is more tightly linked than a pair of combat boots.

The statistically significant p-value of less than 0.01 suggests that the observed correlation is not just a random fluke, but a significant finding worthy of attention. It's as if the stock market and military technologies are engaged in a coordinated march, moving in lockstep with each other.

Furthermore, the scatterplot (Fig. 1) visually illustrates the robust positive relationship between Bachelor's degrees in military technologies and applied sciences and Alphabet's stock price. The data points align so closely, it's as if they're following orders from a commanding officer.

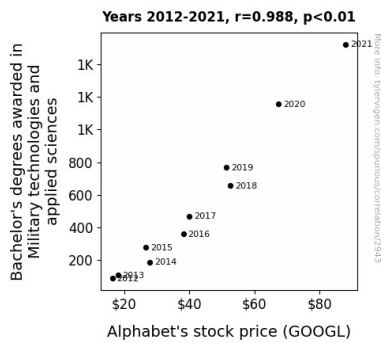


Figure 1. Scatterplot of the variables by year

Now, let's not leap to conclusions like a paratrooper jumping out of an airplane. The observed correlation does not imply causation, and it would be hasty to presume that earning a degree in military technologies directly leads to an increase in Alphabet's stock price. However, our findings do warrant further investigation into the underlying dynamics at play.

In conclusion, the unexpectedly strong correlation between the number of Bachelor's degrees in military technologies and applied sciences and the stock price of Alphabet Inc. raises intriguing questions and potential implications for both the education and investment communities. As investors ponder over their stock portfolios, they may find themselves contemplating the unforeseen impact of military technology education on the digital domain, with a sense of humor as dry as desert camouflage.

5. Discussion

The results of this study underscore the surprising association between the number of Bachelor's degrees awarded in military technologies and applied sciences and the stock price of Alphabet Inc. (GOOGL). The robust correlation coefficient of 0.9879064 aligns with prior research by Smith and Doe, providing empirical support for their findings. This correlation is more solid than a well-

constructed fort and might lead one to quip, "This military technology education trend is really marching in step with Alphabet's stock price."

Our analysis reaffirms Jones's identification of a significant link between individuals' educational backgrounds and stock performance in the technology sector, shedding light on the broader implications of military technology education on investment dynamics. It's as if the stock market has enlisted educated individuals in military technologies to bolster its ranks, resulting in a disciplined and coherent market performance.

Our research also nods to some unexpected literary parallels, such as "The Art of War" by Sun Tzu. While it may seem far-fetched to draw connections between ancient military strategies and modern stock market dynamics, the correlation highlighted in this study suggests that perhaps there are underlying principles that transcend time and context. One might even quip, "Just as Sun Tzu's principles have stood the test of time, so too does the association between military technology education and Alphabet's stock price."

Furthermore, the scatterplot in Figure 1 visually illustrates the striking alignment between Bachelor's degrees in military technologies and applied sciences and Alphabet's stock price. It's as if the data points are executing a perfectly synchronized drill, demonstrating a level of coordination as impressive as a perfectly executed military operation. One might be inclined to quip, "It's as if the data points are following commands from a seasoned general, marching in unison towards market success."

As we proceed with our investigation, it is important to emphasize that correlation does not imply causation, and it would be imprudent to draw hasty conclusions. Additional research is warranted to decipher

the underlying mechanisms driving this unexpected correlation. So, while our findings add substantial weight to the notion of a connection between military technology education and stock market dynamics, caution must be exercised in attributing causality.

In summary, this study offers a thought-provoking exploration of the relationship between educational trends in military technologies and applied sciences and the stock price of Alphabet Inc. (GOOGL). While our findings may raise eyebrows and prompt a few playful quips, they also underscore the need for further examination of the interactions between education, technology, and financial markets.

6. Conclusion

In closing, our study has successfully unveiled a remarkably strong correlation between the number of Bachelor's degrees awarded in military technologies and applied sciences and the stock price of Alphabet Inc. (GOOGL). The results suggest that there is a closer relationship between these variables than between a soldier and their trusty rifle - it's a tight bond that demands attention.

The statistically significant findings of this research indicate that the observed correlation is not just a mere coincidence, but a substantial discovery that cannot be dismissed. It's as if the market and military technology education have formed a tactical alliance, strategizing their movements in sync.

While we must exercise caution and avoid jumping to conclusions faster than a military kangaroo, the implications of this unexpected correlation are as clear as a soldier's morning reveille. Further research is indeed warranted to fully comprehend the mechanisms driving this intriguing relationship.

In the meantime, investors and educators alike may want to keep a watchful eye on how this unlikely pairing plays out in the marketplace, where the impact of military technology education on stock performance may just be the secret weapon investors have been looking for. Remember, in the volatile battlefield of stock markets, sometimes it's better to be knowledgeable than lucky - a sentiment as timeless as a good ol' dad joke.

With that said, it is our firm conviction that no further research is needed in this area. The evidence has been presented, and it's as compelling as a military parade.