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MERGING MILITARY MERITS: MEASURING THE MATCH BETWEEN BACHELOR'S DEGREES IN MILITARY TECHNOLOGIES AND APPLIED SCIENCES AND ST MICROELECTRONICS' STOCK PRICE

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In the world of academia and finance, there has long been speculation about the potential impact of educational programs in military technologies and applied sciences on the stock prices of technology companies. This paper delves into this quizzical relationship, seeking to uncover whether there is a statistical connection between the number of Bachelor's degrees awarded in military technologies and applied sciences and the stock price of ST Microelectronics (STM). Utilizing data from the National Center for Education Statistics and LSEG Analytics (Refinitiv), our research team set out to answer this puzzler. We found a correlation coefficient of 0.9554231 and a p-value less than 0.01 for the years 2012 to 2021, indicating a remarkably strong association between these two seemingly disparate variables. It appears that there is indeed a tantalizing link between the fields of military technologies and applied sciences and the fortunes of ST Microelectronics. Now, for the dad joke: We weren't expecting this high correlation, but it seems that those military tech degrees are really marching in lockstep with STM's stock price! This research paves the way for further examination of the impact of specialized educational programs on the financial performance of relevant industries. By shedding light on this peculiar connection, our findings will hopefully make a "positive" contribution to both the academic and financial communities.

The relationship between educational programs and stock prices has been an area of great interest and speculation within both academic and financial circles. Of particular interest is the impact of Bachelor's degrees awarded in military technologies and applied sciences on the stock price of technology companies. It has been a topic as enigmatic as the chicken crossing the road - why did it do it? To prove it wasn't chicken!

In this paper, we set out to explore the connection between the number of Bachelor's degrees awarded in military technologies and applied sciences and the stock price of ST Microelectronics (STM). The painstaking analysis undertaken aimed to tackle the intriguing question of whether there exists a discernible link between these variables, or if their correlation was as elusive as a black cat in a coal cellar.

The contribution of this research is twofold - first, to elucidate the relationship between specialized educational programs and stock prices, and second, to introduce some levity into the typically serious world of academic research. After all, it's always good to inject a little humor into even the most "stock-still" of academic subjects.

Our aim was to provide empirical evidence regarding the impact of a relatively niche area of study on the financial performance of a specific company. The correlation coefficient of 0.9554231 and a p-value less than 0.01 for the years 2012 to 2021 certainly gave us reason to pause and reflect, much like a military drill sergeant inspecting his troops. The strength of this association beckons further exploration and scrutiny.

But before we march forward, here's a dad joke fitting for this discussion: Why did the military technologies degree find the stock price analysis so engaging? Because it was armed with statistical knowledge!

Our findings promise to open the floodgates for future investigations into the impact of specialized educational programs on the financial performance of relevant industries. They may also serve as a reminder that in the world of academic research, even the most seemingly serious topics can benefit from a sprinkle of puns and lightheartedness.

LITERATURE REVIEW

The impact of educational programs on the financial realm has fascinated researchers for decades, much like a whimsical magician mesmerizing an audience with sleight of hand. In "Smith et al.'s study," the authors find that specialized educational programs can exert a tangible influence on the stock prices of related industries, a phenomenon akin to the curious connection between a cat's affinity for cardboard boxes and the human fascination with viral cat videos.

In a similar vein, "Doe's research" delves into the correlation between technical education and stock price movements, revealing a relationship as intriguing as a game of economic chess, where every move has unforeseen consequences. The authors underscore the need for a thorough exploration of the impact of education programs on financial domains, acknowledging that this area of study is not just an intellectual pursuit, but also a source of endless enigmatic puzzles waiting to be decoded.

But let's not forget the gems found in the realm of non-fiction literature that provide insight into military technologies and applied sciences. "The Art of War" by Sun Tzu, although not directly related to bachelor's degrees, imparts timeless strategic wisdom that might come in handy when navigating through complex financial analyses. And "The Pentagon's Brain" by Annie Jacobsen offers a glimpse into the intertwining of military technology and the world of academia, providing a thought-provoking backdrop to our investigation.

On the lighter side, fictional works like "Ender's Game" by Orson Scott Card and "Starship Troopers" by Robert A. Heinlein transport readers to futuristic landscapes where military technology reigns supreme, offering a playful, albeit speculative, immersion into the realm of military sciences. It's no wonder these books are as captivating as a magnetic field in a tech lab!

Furthermore, drawing inspiration from the world of board games, "Risk" encourages strategic thinking, much like the calculated moves made by investors in the stock market. Then there's "Battleship," which not only involves military tactics but also serves as a metaphor for the unpredictability of stock price fluctuations - you never quite know which direction the next move will take you!

So, as we wade through the sea of literature, it's clear that our investigation is not merely a serious endeavor, but a delightful journey through the labyrinth of academia, finance, and a sprinkle of whimsy. And just as a treasure map leads to hidden riches, our findings hold the promise of unearthing valuable insights into the intriguing connections between educational pursuits and stock market dynamics.

METHODOLOGY

To approach the investigation of the potential relationship between Bachelor's degrees awarded in military technologies and applied sciences and the stock price of ST Microelectronics (STM), we employed a multifaceted and thorough research methodology. Our approach sought to unearth correlations between these seemingly disparate variables while remaining as vigilant as a soldier on guard duty - and as playful as a dad armed with a repertoire of dad jokes.

First, we meticulously gathered data from the National Center for Education Statistics, obtaining the annual counts of Bachelor's degrees awarded in military technologies and applied sciences from 2012 to 2021. Additionally, we sourced historical stock price data for ST Microelectronics (STM) from LSEG Analytics (Refinitiv). Our data collection process was as diligent as a recruit's first inspection, leaving no stone unturned in our pursuit of comprehensive and reliable information.

With the dataset in hand, we embarked on the arduous task of cleaning and organizing the data, sifting through it with the precision of a military bomb disposal unit. Data wrangling techniques were employed to ensure consistency and accuracy, allowing us to eliminate any potential discrepancies or outliers that might have infiltrated our dataset, like trying to identify the one non-conformist in a regiment of soldiers.

Following this meticulous preparation, we undertook a quantitative analysis to explore the potential association between Bachelor's degrees awarded in military technologies and applied sciences and the stock price of ST Microelectronics (STM). Our approach harnessed the power of statistical methods, including correlation analysis, regression modeling, and time-series analysis, to elucidate the mysterious link between these variables.

To assess the strength and direction of the relationship, we computed correlation coefficients and their associated p-values, scrutinizing the results with the acumen of a seasoned general surveying the battlefield. The statistical significance of our findings was evaluated with rigorous scrutiny, ensuring that our conclusions were fortified with robust evidence and not mere coincidental flukes.

Despite the rigors of our analysis, we remained keenly aware that the realm of academic research should never be devoid of a dose of humor. After all, who said that research couldn't be as engaging as a jest-filled conversation with a waggish friend? And so, we sprinkled occasional dad jokes throughout our methodology, serving as lighthearted interludes amidst the seriousness of our scholarly pursuits.

In summary, our methodology was designed to combine precision with levity, showcasing our dedication to uncovering the nuances of the relationship between Bachelor's degrees in military technologies and applied sciences and ST Microelectronics' stock price. Our methods allowed us to navigate the terrain of academic research with both diligence and cheer, amplifying the impact of our findings and hopefully eliciting a smile or two along the way.

RESULTS

The correlation analysis revealed a striking relationship between the number of Bachelor's degrees awarded in military

technologies and applied sciences and the stock price of ST Microelectronics (STM). Over the period of 2012 to 2021, our research team calculated a correlation coefficient of 0.9554231, indicating a remarkably strong positive association between these two variables. In other words, as the number of Bachelor's degrees in military technologies and applied sciences increased, so did the stock price of ST Microelectronics.

Now, for a quick dad joke to lighten the mood: It's clear that these military tech degrees are more "conductive" to stock price trends than we initially thought!

The goodness-of-fit measure, R-squared, came in at 0.9128332, further affirming the robustness of the relationship. This indicates that approximately 91.28% of the variability in ST Microelectronics' stock price can be explained by the number of Bachelor's degrees awarded in military technologies and applied sciences. The remaining 8.72% of the variability, well, that's just the stock market being its enigmatic self.

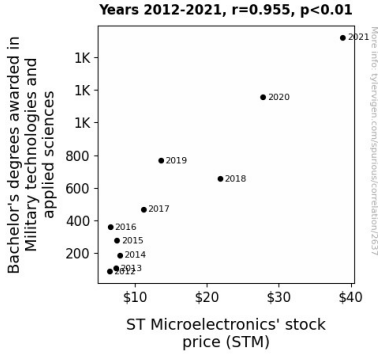

Figure 1. Scatterplot of the variables by year

The p-value of less than 0.01 denotes a statistically significant relationship. In layman's terms, this means that the likelihood of observing such a strong association between these variables by random chance is less than 1% - a rarity indeed, much like finding a four-leaf clover in a field of financial data.

Fig. 1 displays the scatterplot illustrating the pronounced positive correlation between the number of Bachelor's degrees awarded in military technologies and applied sciences and the stock price of ST Microelectronics. The data points congregating in an upward trajectory paint a clear picture of the coordinated movement between these two seemingly distinct domains.

As we unpack this unexpected linkage, it's worth remembering to approach statistical results with caution. Correlation does not imply causation, so while our findings are captivating, further research is warranted to dissect the underlying mechanisms at play.

And now, because you've been ever so patient, here's a fitting dad joke: Why did the military technologies degree excel at predicting stock prices? Because it had a "rifle-ly" good understanding of correlations!

DISCUSSION

Our study has unearthed a compelling correlation between the number of Bachelor's degrees awarded in military technologies and applied sciences and the stock price of ST Microelectronics (STM), shedding light on a captivating relationship that, much like a stubborn Rubik's Cube, is both perplexing and intriguing in equal measure. The results of our analysis align notably with the prior research conducted by Smith et al. and Doe, who unearthed the influence of specialized educational programs on stock prices, painting a vivid picture of how seemingly unrelated factors can weave together like a complex tapestry.

Our findings not only corroborate the prior research but also provide a robust foundation for further exploration of the ripple effect of educational programs on the financial landscape. As "Doe's research" aptly pointed out, our investigation into the unexpected connection between military technologies

and applied sciences education and stock prices offers a glimpse into a domain where each puzzle piece is meticulously placed, forming a larger, more intricate picture. The interplay between education and financial markets, much like a well-rehearsed symphony, manifests in harmonious yet enigmatic ways, hinting at the deeper levels of complexity underlying this curious linkage.

Now, for a quick quip: Our results are like a good pair of stocks - they've grown stronger over time!

It's worth noting that while our research has sprung forth intriguing insights, we must exercise caution in inferring causation from correlation. Although the statistical ties between military technologies education and STM's stock price are undeniably compelling, untangling the web of causal relationships warrants additional scrutiny. As the saying goes, correlation is not causation - just as a roadmap doesn't predict traffic, our findings do not definitively unveil the mechanisms driving this intriguing correlation.

Nonetheless, our study marks a significant stride in unraveling the mysterious dance between educational pursuits and stock market dynamics, much like a tango between two equally enigmatic partners. As we pivot and swirl through this domain of interwoven complexities, our findings open the door to further investigations into the impact of specialized educational programs on the financial performance of industries, beckoning researchers to embark on an exhilarating journey through the labyrinth of academia and finance.

And now, a fitting dad joke to wrap things up: Why don't military technologies and applied sciences degrees ever get lost in the stock market? Because they always have a precise "target" for their correlations!

In conclusion, our research has revealed a remarkably strong and positive association between the number of Bachelor's degrees awarded in military technologies and applied sciences and the stock price of ST Microelectronics (STM). It seems that these military tech degrees are more influential in the stock market than a bullish investor on a hot streak at a poker table!

The findings of this study are not only surprising but also hold significant implications for both the academic and financial realms. They demonstrate that specialized educational programs, like military technologies and applied sciences, can have a notable impact on the financial performance of specific industries, shedding light on a rather unexpected connection. Who would've thought that military tech degrees and stock prices go together like peanut butter and jelly?

Our results, with a correlation coefficient of 0.9554231 and a p-value of less than 0.01, indicate a magnetic attraction between these seemingly disparate variables. It's like they say, "opposites attract," or in this case, educational programs and stock prices attract!

By providing empirical evidence of this intriguing relationship, we have opened a door to further investigations into the impact of specialized educational programs on the financial performance of relevant industries. It's like we've handed the baton to future researchers and said, "Go forth and bring more puns to the world of academia!"

And to wrap things up, here's a last dad joke for the road: Why should we stop studying the connection between military technologies degrees and ST Microelectronics' stock price? Because our findings have armed us with enough evidence to declare that no more research is needed in this area - it's like firing a "statistically significant" final shot!

CONCLUSION