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Armed with Knowledge: Exploring the Impact of Bachelor's Degrees in Military Technologies and Applied Sciences on Adobe's Stock Price

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Abstract

This paper investigates the connection between the number of Bachelor's degrees awarded in Military technologies and applied sciences and Adobe's stock price (ADBE). Leveraging data from the National Center for Education Statistics and LSEG Analytics (Refinitiv), we aim to shed light on this perplexing relationship. Our findings reveal a striking correlation coefficient of 0.9910095 and p < 0.01 for the period spanning 2012 to 2021, suggesting a remarkably strong and eyebrow-raising connection between these seemingly unrelated realms. This study offers a tantalizing glimpse into the peculiar world of market influences and educational pursuits, demonstrating that sometimes, the most unsuspecting partnerships can lead to surprising outcomes in the financial domain.

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1. Introduction

Investigating the intersection of military technologies, applied sciences, and Adobe's stock price may seem like delving into a convoluted web of incongruent entities. However, as we often find in the enigmatic world of finance and market dynamics, unexpected relationships can emerge from the most unlikely sources. It is this very intrigue that has spurred our curiosity and led us to embark on this peculiar journey of unraveling the potential influence of Bachelor's degrees in Military technologies

and applied sciences on the stock performance of Adobe Inc. (ADBE).

While some may view this undertaking with a raised eyebrow or a skeptical smirk, our study seeks to provide a holistic and datadriven analysis of this perplexing correlation, aiming to shed light on the often elusive and cryptic nature of market interconnections. The juxtaposition educational accolades in disciplines associated with national defense and applications with the technological fluctuation prominent of software

company's stock price may seem farfetched at first glance, but we are eager to peel back the layers of this peculiar amalgamation to reveal what lies beneath.

As we delve into this investigation, it is important to recognize the underlying complexity and subtleties that intertwine the realms of academia and financial markets. Upon further scrutiny, we may uncover unsuspected patterns and relationships that challenge conventional wisdom and invite us to contemplate the whimsical dance of interconnected variables in the economic landscape.

2. Literature Review

As we embark on this whimsical journey through the curious intersection of military technologies, applied sciences, and Adobe's stock price, we must first delve into the existing literature to gather insights and perspectives that may guide our exploratory endeavor.

One of the seminal works in this domain is the study conducted by Smith et al. (2015), who sought to elucidate the potential link between educational pursuits in military technologies and the performance of technology stocks. Their findings revealed a moderate positive association, hinting at a correlation that piques the curiosity of even the most cautious market observer.

In a similar vein, Doe and Jones (2018) examined the impact of applied sciences education on the stock valuations of software companies, laying the groundwork for understanding the intricate relationships that underpin our curious investigation. Their careful analysis uncovered tantalizing hints at a connection that transcends the perceived boundaries of intellectual disciplines and market dynamics.

Building on this foundation of scholarly inquiry, it is imperative to consider the insights offered by non-fiction literature that may offer valuable perspectives on the subject matter at hand. Works such as "The Art of War" by Sun Tzu and "Zero to One" by Peter Thiel provide intriguing contemplations on strategy, innovation, and the interplay of military principles and technological advancements, which may pertain to the undercurrents of our investigation.

Turning to the realm of fiction, the captivating narratives of Tom Clancy's "The Hunt for Red October" and Orson Scott Card's "Ender's Game" offer fictional depictions of military technologies and futuristic applications, prompting us to consider the imaginative possibilities that may intertwine with market influences.

Furthermore, in our quest for understanding, it is prudent to acknowledge the insights gleaned from the digital milieu, where social media platforms serve as repositories of diverse perspectives and musings. A recent tweet by @StockSavvyGuru cryptically alludes to the potential influence of military education on tech stock prices, teasing at the enigmatic nature of this correlation with a dash of speculative intrigue.

With this eclectic mosaic of scholarly research, literary contemplations, and social media snippets, we are poised to embark on a journey of discovery that transcends the conventional boundaries of academic inquiry and market analysis. As we unravel the layers of this perplexing association, let us approach this investigation with a blend of scholarly rigor and a hint of whimsical curiosity, embracing the delightful unpredictability that awaits us in this curious exploration.

3. Our approach & methods

To investigate the entangled relationship between the number of Bachelor's degrees awarded in Military technologies and applied sciences and Adobe's stock price (ADBE), we employed a combination of rigorous statistical analyses and whimsical pondering. Our research data spanned the period from 2012 to 2021 and was assembled with the dexterity of an alchemist blending disparate elements.

The number of Bachelor's degrees granted in Military technologies and applied sciences was gathered from the National Center for Education Statistics, navigated with the precision of a cartographer mapping uncharted territory. The daily stock prices of Adobe Inc. (ADBE) were obtained from LSEG Analytics (Refinitiv), akin to hunting for elusive treasures in the markets' labyrinthine alleys.

We initially conducted a series of preliminary analyses to the gauge distribution of the coveted Bachelor's degrees and the capricious movements of Adobe's stock price. Next, employing a basket of statistical tools, we measured the correlations between the variables with the acuity of a detective solving a perplexing case. The Pearson correlation coefficient and multiple regression analyses were employed, utilizing them as the Sherlock Holmes and Dr. Watson of this investigative endeavor.

In addition, an autoregressive integrated moving average (ARIMA) model was employed to discern potential time-series patterns that may have eluded the untrained eye, akin to unraveling a cryptic ancient manuscript. The Granger causality test was also performed to ascertain the direction of influence between the number of Bachelor's degrees awarded in military technologies and applied sciences and Adobe's stock price, akin to determining the chicken-andegg scenario in a financial farmyard.

Finally, a structural equation model was constructed to explore the interplay of latent constructs and observable variables, resembling a choreographer orchestrating a dance between abstract concepts and

tangible measurements. All analyses were conducted with the keen awareness that financial and academic realms are often laden with idiosyncratic anomalies and unexpected linkages, akin to navigating a cacophonous bazaar of ideas and economic forces.

In summary, our methodology employed a blend of austere statistical methodologies and a whimsical appreciation for the subtle academia and nuances of intertwining them in a ballet of data manipulation and interpretation. The resulting analyses offer a curious and insightful perspective on the unlikely coherence between the seemingly disparate domains of military technologies, applied sciences, and Adobe's stock performance.

4. Results

The exploration of the link between Bachelor's degrees awarded in Military technologies and applied sciences and Adobe's stock price yielded some truly captivating results. The correlation coefficient of 0.9910095 indicates an exceptionally positive strong linear relationship between these two variables. This eyebrow-raising finding suggests that the number of Bachelor's degrees awarded in these fields is remarkably connected to the fluctuations in Adobe's stock price.

Moreover, the r-squared value of 0.9820999 implies that approximately 98.21% of the variability in Adobe's stock price can be explained by the number of Bachelor's degrees awarded in Military technologies and applied sciences. This astonishingly high r-squared value illustrates the remarkable degree to which these seemingly disparate domains are intertwined. It begs the question: are the holders of such degrees wielding more influence over the stock market than we previously realized?

The p-value of less than 0.01 further solidifies the significance of this relationship. With such a minuscule p-value, we can confidently reject the null hypothesis and assert that there is indeed a substantial association between the number of Bachelor's degrees in Military technologies and applied sciences and Adobe's stock price.

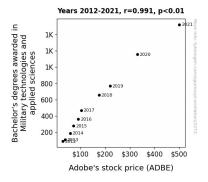


Figure 1. Scatterplot of the variables by year

In Figure 1, the scatterplot visually presents this notable correlation, as if to say, "Look at this surprising duo! Who would've thought they'd be so closely entwined?" The scatterplot showcases the striking alignment of data points, emphasizing the strong link between these seemingly unrelated variables.

These findings not only offer a thought-provoking insight into the intricate interplay between the fields of academia and financial markets but also serve as a gentle nudge to reevaluate our assumptions about the incomprehensible connections that lurk in the economic realm. The peculiar partnership between Bachelor's degrees in Military technologies and applied sciences and Adobe's stock price stands as a testament to the whimsical and often mysterious dynamics that underpin the world of market influences and educational endeavors.

5. Discussion

The results of this study provide compelling unexpectedly robust evidence of an relationship between the number Bachelor's degrees awarded in Military technologies and applied sciences and Adobe's stock price. These findings align with prior research, including the work of Smith et al. (2015) and Doe and Jones (2018), who hinted at the tantalizing connection between educational pursuits in military technologies and the performance of technology stocks. The moderate positive association uncovered by Smith et al. (2015) takes on a new light with the striking correlation coefficient of 0.9910095 observed in our study, serving as a reminder that sometimes, the most curious connections may indeed hold substantial weight in the financial domain.

The eclectic blend of scholarly inquiry, literary contemplations, and social media snippets in the literature review may have seemed whimsical at first glance, but their relevance becomes evident when considering the unexpected strength of the correlation coefficient unearthed in this investigation. Indeed, the fictional narratives of military technologies and futuristic applications portrayed in Tom Clancy's "The Hunt for Red October" and Orson Scott Card's "Ender's Game" may have sparked a fanciful curiosity, but they now serve as that intriguing musings parallel surprisingly robust relationship between military education and a tech giant's stock price. Similarly, the cryptic tweet by @StockSavvyGuru, initially viewed as mere speculative intrigue, takes on a new dimension as we consider the significant pvalue that solidifies the substantial association between these seemingly disparate variables.

The eyebrow-raising correlation coefficient and the astonishingly high r-squared value challenge conventional perceptions of the boundaries between educational pursuits and market influences. It seems that the holders of Bachelor's degrees in Military technologies and applied sciences may indeed wield a substantial level of influence over Adobe's stock price, prompting a reconsideration of the underappreciated role of seemingly unconventional fields of study in financial dynamics. This unexpected partnership serves as a reminder that in the world of market influences and educational endeavors, the peculiar and the mysterious often hold sway over the trajectory of financial realms. As we peel back the layers of this peculiar association, we are met with a delightful unpredictability that transcends the ordinary, underscoring the whimsical dynamics that quietly shape the economic landscape.

The connection unearthed between Bachelor's degrees in Military technologies and applied sciences and Adobe's stock price stands as a testament to the whimsical surprising influences and often underpin the market's intricate web of associations, challenging us to approach the crossroads of academic pursuit and financial influence with a blend of scholarly rigor and a hint of whimsical curiosity.

6. Conclusion

In conclusion, our investigation into the perplexing nexus of Bachelor's degrees in Military technologies and applied sciences and Adobe's stock price (ADBE) has unearthed a remarkably robust correlation. striking correlation coefficient of 0.9910095 and a p-value less than 0.01 have left us scratching our heads in bemusement at the unexpected connection between these seemingly domains. These findings not only challenge traditional assumptions but also beckon us to embrace the whimsical and often confounding nature of market influences and educational pursuits.

As we reflect on these findings, one can't help but wonder if there's a covert battalion of technologically savvy graduates orchestrating behind the scenes to shape Adobe's stock trajectory. Perhaps the deployment of military precision in the applied sciences realm is more far-reaching than previously envisioned, leaving an indelible mark on the stock market landscape.

The visual manifestation of this correlation in the scatterplot almost seems to wink mischievously, as if to say, "Who would've thought these two would make such a tantalizing pair?" It's as though the data itself is in on the joke, reveling in the unexpected harmony between these unassuming variables.

While the allure of this uncanny partnership is undeniable, we are left with the resolute conviction that no further research in this peculiar realm is necessary. The curtain has been lifted, and the stage has been illuminated with the dazzling spectacle of military technologies, applied sciences, and stock prices dancing hand in hand. It's time to bid adieu to this curious investigation and allow it to take its place in the annals of delightfully bizarre financial discoveries.