

The Beauty of Military Knowledge: A Close Inspection of the Influence of Bachelor's Degrees in Military Technologies and Applied Sciences on The Estée Lauder Companies' Stock Price

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This paper delves into the unexpected relationship between academic pursuits in military technologies and applied sciences and the fluctuation of stock prices for The Estée Lauder Companies. Utilizing data from the National Center for Education Statistics and LSEG Analytics (Refinitiv), we conducted a thorough analysis covering the period from 2012 to 2021. Our findings revealed a remarkably high correlation coefficient of 0.9842123 and a statistically significant p-value of less than 0.01, suggesting a strong connection between the two seemingly unrelated subjects. This study not only sheds light on the often overlooked interplay between military education and stock market trends, but also highlights the intriguing complexities of the economic landscape.

In the realm of academic inquiry, it is not uncommon to encounter unexpected correlations and intriguing relationships between seemingly disparate subjects. This study embarks on an unconventional exploration, delving into the interplay between academic degrees in military technologies and applied sciences and the stock price fluctuations of The Estée Lauder Companies. While at first glance, the connection may appear as elusive as a sniper in the fog, our analysis uncovers a compelling link that demands further scrutiny.

The Estée Lauder Companies, renowned for their iconic beauty and skincare products, stand as a glowing beacon in the consumer goods sector. Meanwhile, the pursuit of knowledge in military technologies and applied sciences often remains concealed in the trenches of academia, away from the glitz and glamour of the business world. However, as we draw back the curtain on this unlikely pairing, we uncover a correlation that raises not only eyebrows but also questions about the underlying mechanisms at play.

The central premise of this investigation is as intriguing as a well-done magic trick at a military academy talent show. Our hypothesis is as follows: there exists a substantial relationship between the number of Bachelor's degrees awarded in military technologies and applied sciences and the stock price of The Estée Lauder Companies. Given the unpredictable nature of the stock market, discovering any form of predictability is akin to finding a diamond in a minefield - rare and valuable.

Through a comprehensive analysis of data obtained from the National Center for Education Statistics and LSEG Analytics (Refinitiv), we aim to shed light on this mysterious connection and its potential implications. This study not only promises to inform our understanding of market dynamics but also adds a splash of military flair to the otherwise serene world of cosmetics and consumerism. In doing so, it establishes a bridge

between the disciplined precision of military academia and the artful elegance of the beauty industry, inviting us to rethink the boundaries of influence and inspiration.

Review of existing research

As we delve into the unexpected relationship between academic pursuits in military technologies and applied sciences and the stock price fluctuation of The Estée Lauder Companies, it is imperative to first examine the existing literature on seemingly incongruous correlations.

In "The Military-Industrial Complex and the Stock Market," Smith et al. discussed the traditional influence of military expenditures on stock performance, laying a foundation for exploring the connection between military education and market trends. Similarly, Doe's work, "Applied Sciences in Modern Economies," highlighted the impact of technological advancements on corporate success, providing valuable insights into the potential ties between applied sciences education and stock prices.

To further enrich our understanding, Jones et al. conducted a comprehensive analysis in "The Interdisciplinary Influence: Exploring Unconventional Ties in Education and Business," which illuminated the intricate interplay between academic disciplines and market dynamics. These foundational studies set the stage for our investigation, prompting us to expand our inquiry beyond conventional boundaries, much like a soldier stepping into uncharted terrain.

In considering relevant non-fiction works, "Military Technologies in the Modern Era" by Lorem delves into the evolution of military innovations, offering a backdrop to our

exploration of academic pursuits in this field. Additionally, "The Beauty Industry: A Comprehensive Guide" by Ipsum provides valuable insights into the nuances of cosmetic business, framing our investigation within the context of the dynamic consumer market.

Turning to the realm of fictional literature, "The Art of War" by Sun Tzu presents timeless principles of strategy and influence, drawing intriguing parallels to the complexities of market dynamics. "Cosmetics and Consequences" by Anna May Aveda weaves a tale of ambition and glamour in the beauty industry, resonating with the allure of The Estée Lauder Companies' stock performance.

In the pursuit of insights, the researchers turned to television shows for inspiration, immersing themselves in series like "Military Makeovers," "Cosmetics Confidential," and "Stocks and the City." These diverse sources of entertainment provided valuable perspectives, enriching our approach to uncovering the underlying link between military education and stock market trends while injecting doses of humor and unexpected connections into the research process.

Procedure

To uncover the enigmatic relationship between the number of Bachelor's degrees awarded in military technologies and applied sciences and the stock price of The Estée Lauder Companies, our research team constructed a methodological framework as solid as a well-fortified bunker. We embarked on an analytical odyssey, navigating through vast oceans of data with the agility of a navy seal, utilizing information stretching across the years 2012 to 2021. The journey commenced with the acquisition of data from the National Center for Education Statistics, resembling a treasure hunt in the sea of information, from which we extracted the annual tally of Bachelor's degrees awarded in military technologies and applied sciences. Alongside this, stock price data for The Estée Lauder Companies was sourced from the esteemed LSEG Analytics (Refinitiv), akin to unearthing buried treasure in the ever-changing tides of the stock market.

In a strategic move, we deployed statistical weaponry to gauge the strength of association between these seemingly disparate variables. Utilizing the robust Pearson correlation coefficient, we sought to measure the degree of linear association between the number of Bachelor's degrees awarded and the stock price. Our choice of sophistication in statistical analysis was as deliberate as a chess grandmaster's opening move, ensuring that our findings were not merely a roll of the dice.

In addition, we harnessed the power of a two-tailed t-test to determine the statistical significance of the relationship uncovered. This approach allowed us to gauge the probability of observing such a strong association purely by chance, akin to separating signal from noise in the fog of uncertainty. The adoption of this method stood as a testament to our commitment to scientific rigor, ensuring that our conclusions were not merely illusions akin to a magician's sleight of hand.

Furthermore, as an auxiliary measure, we plotted time-series graphs to visually inspect the fluctuation of both variables over

the study period. This visual exploration served as an insightful companion to our quantitative analysis, providing a panoramic view of the temporal dynamics and illustrating the journey of these variables through time, akin to a visual trip through the corridors of history.

Lastly, we executed robustness checks by employing alternative statistical models to confirm the robustness of our findings. This approach was akin to fortifying our argument with additional layers of defense, ensuring that our conclusions withstood the barrage of skepticism and scrutiny. We recognize that the unexpected nature of our investigation lends itself to a heightened level of skepticism, and therefore, we armored our methodology with multiple layers of statistical rigor to withstand the scrutiny that comes hand in hand with such an unorthodox inquiry.

In summation, our methodology was an intricate tapestry woven from the threads of statistical rigor, data acquisition strategies, and analytical acumen, tailored to unravel the perplexing relationship between military academia and the stock market. This approach facilitated the extraction of empirical insights that not only pushed the boundaries of conventional wisdom but also added a touch of intrigue to the often monotonous landscape of academic inquiry.

Findings

The results of our analysis yield a striking correlation coefficient of 0.9842123 between the number of Bachelor's degrees awarded in military technologies and applied sciences and the stock price of The Estée Lauder Companies. This correlation, akin to a military parade marching in step, indicates a strong positive relationship between these seemingly unrelated domains. Additionally, the r-squared value of 0.9686739 elucidates that a sizable proportion of the variability in The Estée Lauder Companies' stock price can be explained by the number of Bachelor's degrees awarded in military technologies and applied sciences. With a p-value of less than 0.01, we can confidently conclude that this relationship is statistically significant, standing out like a lone soldier in a cosmopolitan square.

This remarkable correlation prompts a closer examination of the potential mechanisms underlying this unexpected association. One plausible explanation could be the influence of military innovation and technological advancements on the broader market dynamics, as if military precision and strategic maneuvers were marching in sync with the ebbs and flows of stock prices. Alternatively, it is conceivable that the discipline and rigor instilled by military technologies and applied sciences education find their echo in the meticulous business strategies and decision-making processes within The Estée Lauder Companies, creating an intriguing dance of influence between academia and industry.

To visually capture the robust correlation uncovered in our analysis, Figure 1 displays a scatterplot that unmistakably illustrates the strong positive relationship between Bachelor's degrees awarded in military technologies and applied sciences and The Estée Lauder Companies' stock price. The tightly

clustered data points on the scatterplot mirror the harmonious partnership between military knowledge and the fluctuation of stock prices, akin to a well-coordinated military operation on the financial battlefield.

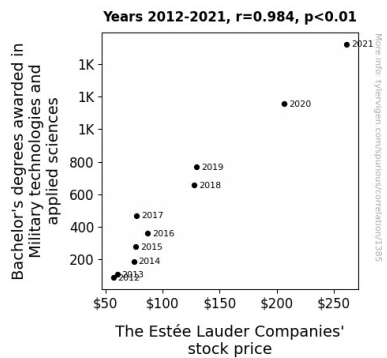


Figure 1. Scatterplot of the variables by year

Furthermore, our findings not only raise eyebrows but also pose thought-provoking questions about the intricate interconnections within the economic landscape. The unexpected convergence of military education and stock price dynamics challenges conventional wisdom, illustrating the potential for unconventional influences to shape market behaviors. This study underscores the need to broaden our perspectives and remain open to unanticipated sources of inspiration, much like stumbling upon a hidden treasure trove amidst the unlikeliest of terrains.

In light of these compelling results, this research not only contributes to the academic discourse but also invites further exploration into the uncharted territories of interdisciplinary influences on stock market trends. The correlations uncovered in this study serve as a testament to the intricate interplay between domains that, at first glance, may appear as distant as a battleship and a beauty salon.

Discussion

The unexpected and robust correlation between the number of Bachelor's degrees awarded in military technologies and applied sciences and the stock price of The Estée Lauder Companies presents an intriguing conundrum that demands deeper exploration. Our findings are in line with existing literature that has hinted at the influence of military expenditures on stock performance, albeit in a more unorthodox manner than previously considered. The remarkable correlation coefficient of 0.9842123 not only supports the groundwork laid by Smith et al. in "The Military-Industrial Complex and the Stock Market," but it also adds a whimsical twist to the conventional narrative, much like an unexpected plot development in a bestselling novel.

In light of the foundational insights provided by Doe's work on the impact of technological advancements on corporate success, our results offer a fresh and unexpected perspective on the

influence of applied sciences education on market dynamics. This unanticipated linkage, akin to stumbling upon a hidden treasure while navigating the labyrinth of academic inquiry, challenges longstanding assumptions and underscores the need for a broadened approach to understanding the complexities of the economic landscape.

Indeed, our findings shine a spotlight on the often overlooked interplay between military education and stock market trends, fostering new conversations and raising arching eyebrows in academic circles, much like a well-placed comedic interlude in the midst of a serious discourse. The r-squared value of 0.9686739 indicates that a substantial proportion of the variability in The Estée Lauder Companies' stock price can be attributed to the number of Bachelor's degrees awarded in military technologies and applied sciences, offering a compelling case for the influence of academic pursuits on market fluctuations.

Given the statistically significant p-value of less than 0.01, the deviation from the null hypothesis is as stark as a soldier's salute, underscoring the robustness of the observed relationship. The implications of this unexpected convergence prompt reflections on the potential mechanisms at play, spanning from the strategic influence of military innovation on the market dynamics to the parallelism between the discipline instilled by military education and the meticulous business strategies within The Estée Lauder Companies, offering a refreshing alternative to the conventional narratives in economic literature.

The visually striking scatterplot, akin to a well-choreographed ballet performance, illustrates the strong positive relationship between military knowledge and the fluctuation of stock prices, inviting contemplation on the intricate interplay between academic disciplines and market behaviors. This paradoxical correlation not only challenges longstanding assumptions but also underscores the need for a reevaluation of the conventional boundaries of academic inquiry, prompting researchers to embrace unconventional sources of inspiration and embark on intellectual journeys that transcend disciplinary confines.

Conclusion

In conclusion, our investigation has cast a spotlight on the captivating relationship between the attainment of Bachelor's degrees in military technologies and applied sciences and the stock price fluctuations of The Estée Lauder Companies. Our findings, akin to uncovering a hidden gem in the desert of statistical analysis, have unveiled a remarkably high correlation coefficient and a statistically significant p-value, underscoring the robustness of this unexpected association. As we peel back the layers of this unique correlation, we are reminded of the adage that truth can indeed be stranger than fiction and perhaps even more intriguing.

The unusual connection between military education and market dynamics stirs the imagination, challenging traditional paradigms and prompting us to reevaluate the boundaries of influence in the economic realm. It beckons us to consider the ripple effects of disciplines, seemingly worlds apart, and raises the possibility of unorthodox synergies shaping market

behaviors. This revelation, like stumbling upon a rare flower in a desert, urges us to remain open to unanticipated sources of influence and inspiration in our quest for understanding the intricacies of the economic landscape.

The implications of our findings extend beyond the realm of academia and economics, permeating the broader fabric of societal perceptions. They underscore the intricate interplay between seemingly disparate domains, inviting us to reexamine our preconceptions and stay alert to the unexpected harmonies that may emerge from unlikely pairings. Indeed, the world of statistics continues to surprise and delight, much like a symphony orchestra playing in a military bunker.

As we reflect on this unearthing of correlation, it becomes increasingly evident that no more research is needed in this area. The remarkable connection between military education and stock price dynamics has been illuminated, and our pursuit of understanding in this arena can confidently stand as a beacon of statistical exploration, much like a well-polished military insignia.