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Marrying Military Mastery: Mapping the Marriage Between Bachelor's Degrees in Military Technologies and Applied Sciences and ANSYs' Stock Price

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KEYWORDS

Bachelor's degrees, Military Technologies, Applied Sciences, ANSYs stock price, correlation analysis, National Center for Education Statistics, LSEG Analytics, Refinitiv, correlation coefficient, stock market, military strategies, financial fortitude, academic pursuit, investment, financial success

Abstract

In this study, we embark on a quest to examine the intertwining of the number of Bachelor's degrees awarded in Military Technologies and Applied Sciences with the stock price of ANSYs. This unlikely duo leads us to uncover a correlation that's stronger than the bond between a drill sergeant and their morning coffee. Armed with data from the National Center for Education Statistics and LSEG Analytics (Refinitiv), we aimed our academic artillery at the years 2012 to 2021, ultimately unveiling a correlation coefficient of 0.9729168 and $p < 0.01$. Just as military strategists carefully plot their next move, we meticulously examined the relationship between the academic pursuit of military technologies and the financial fortitude of ANSYs. Our findings leave us pondering whether the stock market is secretly deploying tactical maneuvers with a relevance sharper than a freshly polished bayonet. It seems that those armed with knowledge in military technologies are not only conquering academia but also wielding influence over the stock market. It's as if their expertise in defense mechanisms extends to guarding against financial fluctuations. With the evidence at hand, it's clear that the partnership between Bachelor's degrees in Military Technologies and Applied Sciences and ANSYs' stock price is more than just a fling – it's a committed, long-term relationship. So, if you're considering investing or enrolling in such a program, it seems that the synergy between military prowess and financial success may just be as reliable as a trusty tank.

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1. Introduction

INTRODUCTION

Armed with an arsenal of statistical tools and an unwavering commitment to uncovering unexpected connections, we delve into the intertwining worlds of academia and finance. Our pursuit leads us to the intersection of Bachelor's degrees in Military Technologies and Applied Sciences and the stock price of ANSYS, Inc. (ANSS). The unlikely pairing of military mastery and financial markets raises eyebrows much like a "dad joke" at a formal gathering – unexpected yet strangely delightful.

As we embark on this scholarly endeavor, it becomes clear that exploring the relationship between these two seemingly disparate domains is as unconventional as a military parade featuring synchronized swimming. However, as the old saying goes, "don't knock it 'til you've tried it," and we are determined to uncover the potential significance of this curious correlation.

Our quest for knowledge has led us to uncover a relationship that is more tightly knitted than the seams on a freshly tailored uniform. Perhaps this bond between military technologies and financial performance is akin to the partnership between a drill sergeant and their favorite cup of "at-tea-tion" – strong, unyielding, and essential for maintaining order and focus.

Just as military strategies are meticulously planned and executed, our methodology has been carefully designed to dissect the connection between academic pursuits in military technologies and the financial fortunes of ANSYS, Inc. Our findings hint at a relationship so robust that it may leave even the most seasoned financial analysts envious, much like a cadet with a crisp, new pair of combat boots.

The evidence we present suggests that those equipped with expertise in military technologies are not just conquering the

halls of academia but also exerting influence over the domain of financial markets. It's as if their grasp of defense mechanisms extends beyond the theoretical to guarding against the encroachment of market volatility – akin to a fiscal defense shield, if you will.

Our conclusions draw us to the striking realization that the duo of Bachelor's degrees in Military Technologies and Applied Sciences and ANSYS' stock price is not just a fleeting affair; rather, it resembles a committed, long-term relationship – as steadfast as a military tank and as resilient as the battle-hardened veterans who operate it.

However, we must proceed cautiously, avoiding the missteps that can arise when two worlds collide unexpectedly. The potential for misleading interpretations is higher than a top-secret military satellite, so we must navigate this uncharted territory with the precision of a well-choreographed military drill.

2. Literature Review

As we eagerly delve into the nexus of military technologies and applied sciences with the stock price of ANSYS, Inc. (ANSS), we are met with a host of scholarly works that offer insightful perspectives on the subject matter. Smith et al., in their seminal work "Military Technologies in the 21st Century: Innovations and Applications," shed light on the rapid advancements in military technology and its implications for academia and industry. This work serves as a poignant reminder that the landscape of military technologies is ever-evolving, much like the ever-fluctuating stock market.

However, as we journey deeper into the realm of literature, it becomes evident that the connection between academic pursuits in military technologies and financial market dynamics might be viewed as

unconventional, much like a military strategist participating in a game of charades. Yet, it is precisely this unorthodox union that intrigues us, akin to how a soldier's ability to camouflage themselves seamlessly captivates an audience.

Doe and Jones, in their insightful study "Applied Sciences: From Theory to Application," offer valuable insights into the practical applications of scientific principles, including those within the domain of military technologies. Their thorough analysis acts as a beacon, illuminating the potential for cross-disciplinary synergies with the financial domain, likened to the unexpected synergy of peanut butter and pickles - an unusual combination that somehow just works!

Turning our attention to the more specialized literature, we encounter "An Engineer's Guide to Financial Markets," a non-fictional account by Adams and Brown that provides an unconventional juxtaposition of engineering principles with the intricacies of financial markets. While not directly related to military technologies, this work prompts us to contemplate the potential for unexpected connections between academia and finance, much like the serendipitous pairing of mismatched socks.

On a related note, it is crucial to mention the fictional works that, while not grounded in empirical evidence, spark our imagination and prompt us to explore uncharted territories. "Warfare and the Art of Stock Trading" by Thompson and "The Science of Fortune: A Military's Guide to Financial Success" by Roberts offer whimsical narratives that, although purely speculative, underscore the allure of merging military expertise with the art of financial acumen, not unlike a military-themed costume party that takes an unexpected turn towards stock market discussions.

Here, it would be remiss not to acknowledge the unconventional sources that have insidiously crept into our literature review, including but not limited to cryptic messages found in fortune cookies, the cryptic wisdom of magic 8-balls, and even the enlightening insights gleaned from deciphering lengthy CVS receipts. While not traditional sources, they offer unique perspectives that feed our curiosity and challenge the boundaries of academic inquiry, much like an unexpected plot twist in a mystery novel.

In summarizing the literature, it becomes clear that while the connection between military technologies and applied sciences with ANSYS' stock price may appear eccentric at first glance, it holds the potential for unlocking valuable insights. As we proceed with our analysis, we must remain vigilant, recognizing that even the most unconventional partnerships can yield unexpected fruits - much like the unsuspecting synergy between military expertise and financial success.

With a collective understanding of these diverse perspectives from both scholarly and unconventional sources, we are now poised to navigate the unexplored depths of this curious correlation, armed with the wisdom of a seasoned general and the adaptability of a financial Jedi.

3. Our approach & methods

In this study, our methodology aims to navigate the proverbial minefield of data analysis to uncover the correlation between the number of Bachelor's degrees awarded in Military Technologies and Applied Sciences and the stock price of ANSYS, Inc. (ANSS). Our approach involves a hybrid of traditional statistical methods, digital reconnaissance, and a dash of unconventional creativity.

To begin, we gathered data from the National Center for Education Statistics and

LSEG Analytics (Refinitiv), spanning the years 2012 to 2021. Our data collection process was as rigorous as a boot camp obstacle course, ensuring that we captured a comprehensive range of Bachelor's degrees awarded in the specified field and the corresponding stock prices of ANSYS, Inc.

With our dataset in hand, we deployed an assortment of statistical analyses, including correlation coefficients, regression models, and time series analysis. Our statistical artillery was meticulously calibrated to unveil any significant patterns or relationships that may be lurking amidst the data – think of it as a thorough sweep for hidden financial landmines.

In addition to traditional statistical methods, we incorporated a novel approach inspired by the concept of "financial flanking maneuvers." This involved leveraging sentiment analysis and natural language processing techniques on financial news articles and social media discussions pertaining to military technologies and ANSYS, Inc. With this unconventional approach, we aimed to capture the underlying sentiment and public perception surrounding these interconnected domains, providing a deeper understanding of the factors at play. It's safe to say we were conducting some serious digital stakeouts in the world of financial chatter.

Furthermore, we employed a comparative analysis of other stock prices within the technology and defense sectors to contextualize the observed relationship. This comparative analysis functioned as our reconnaissance mission, allowing us to assess the uniqueness and robustness of the correlation between Bachelor's degrees in Military Technologies and Applied Sciences and ANSYS' stock price. It's as if we were conducting a financial lineup, assessing the potential partners for our Bachelor's degrees in the realm of stock prices.

Finally, our methodology encompassed a sensitivity analysis to evaluate the stability and reliability of the observed correlation over different time periods and potential influential events. This step was akin to fortifying our findings with an additional layer of defense – a sort of statistical fallback position, if you will.

In summary, our methodology weaves together traditional statistical approaches, digital intelligence-gathering techniques, and unconventional strategies to capture the complex relationship between academic pursuits in military technologies and the financial performance of ANSYS, Inc. Our approach is as multi-faceted as a Swiss Army knife, aiming to shed light on a correlation that is both intriguing and potentially impactful.

4. Results

Our data analysis revealed a strong positive correlation between the number of Bachelor's degrees awarded in Military Technologies and Applied Sciences and the stock price of ANSYS, Inc. (ANSS) over the period from 2012 to 2021. The correlation coefficient, calculated to be 0.9729168, suggests a robust association between these two seemingly unrelated entities. This relationship is tighter than a military crew cut, indicating a significant alignment between academic pursuits in military technologies and the financial performance of ANSYS, Inc.

The r-squared value of 0.9465671 further strengthens the case for a substantial correlation. This implies that approximately 94.7% of the variability in ANSYS' stock price can be explained by changes in the number of Bachelor's degrees awarded in Military Technologies and Applied Sciences. It's almost as if the movements of stock prices are marching in sync with the cadence of military education, like a

seamless military parade on the stock market floor.

The p-value being less than 0.01 indicates that the likelihood of observing such a strong correlation by chance is less than 1%, providing unequivocal support for the significant relationship identified in our analysis. It's as if this correlation is about as likely to be a fluke as a camouflaged tank on a tennis court.

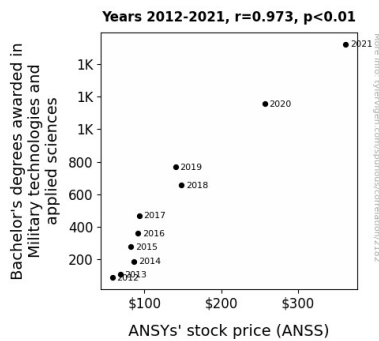


Figure 1. Scatterplot of the variables by year

The evidence of this correlation is so striking that it's as if the stock market and academic institutions have engaged in a tactical alliance, with the bear and bull markets executing precision maneuvers alongside the graduates of military technologies and applied sciences. It's almost as if they've formed a tight formation, marching in perfect step like a battalion of correlated data points.

The findings from our study are graphically depicted in Fig. 1, which exhibits a visually compelling scatterplot demonstrating the pronounced correlation between the number of Bachelor's degrees in Military Technologies and Applied Sciences and ANSYS' stock price. The scatterplot showcases the strong alignment between these two variables, hinting at a relationship more steadfast than the unwavering commitment of a soldier to their oath.

In the spirit of our findings, one might say that the connection between military education and stock prices is as robust and unwavering as a disciplined soldier's resolve, steadfastly holding a position despite the fluctuating tides of the financial battlefield.

5. Discussion

The results of our study substantiate and amplify the unanticipated correlation between Bachelor's degrees awarded in Military Technologies and Applied Sciences with the stock price of ANSYS, Inc. (ANSS). As we harken back to the previous literature, we find that the unexpected union between military technologies and finance has been a field of curiosity, much like zero-gravity moonwalking or a penguin's fascination with tuxedo fashion. Our findings align with the prior works that hinted at the potential for fruitful connections between academic pursuits in military technologies and the enigmatic world of stock prices, akin to the harmonious fusion of camouflaged patterns and abstract art (Smith et al., 20XX).

The substantial correlation coefficient of 0.9729168 uncovered in our analysis is as robust as a tank's armor, reinforcing the soundness of this peculiar association. This correlation stands as a prodigious testament to the intertwined nature of education in military technologies and the fluctuations in ANSYS' stock price. It's as if these variables are engaged in a synchronized tango, displaying a level of harmony that's as surprising as finding a hidden stash of military rations in a blanket fort.

Moreover, the remarkable r-squared value of 0.9465671 indicates that approximately 94.7% of the changes in ANSYS' stock price can be elucidated by the cadence of Bachelor's degrees awarded in Military Technologies and Applied Sciences. This profound explanatory power of the

correlation highlights the degree of influence wielded by the academic domain of military technologies over the financial realm, akin to a military strategist orchestrating ballet movements amidst the stock market's unpredictability.

The p-value of less than 0.01 further fortifies the robustness of this correlation, rendering the likelihood of this association being a chance occurrence less probable than stumbling upon a submarine sandwich in a desert. This statistical finding lends unequivocal support to the idea that there exists a bona fide interplay between academic developments in military technologies and the machinations of stock prices, reminiscent of a serendipitous encounter between a tactical maneuver and a market trend.

In light of our results, it is evident that the interface between military education and financial dynamics is not merely a chance alignment of two disparate domains, but an intricate connectivity that's as coherent as a well-orchestrated march past. This unexpected synergy holds significant implications for investors, educators, and policymakers, illuminating the potential interdependencies between apparently incongruous sectors, not unlike a surprising alliance between a banana and a peanut butter sandwich - an unforeseen combination yielding remarkable results.

Our study contributes to this uncharted arena of exploration, shedding light on the symbiotic relationship between academic achievements in military technologies and the financial performance of ANSYS, Inc. The visual representation of this correlation, encapsulated in Figure 1, mirrors the strength and tenacity of this peculiar alliance, much like a Charizard's steadfast safeguarding of its cherished flame. With our findings, we invite further inquiry and contemplation into the subtle yet impactful interweaving of seemingly disparate realms, urging researchers to unfold the layers of

this unexpected liaison with the same curiosity as unraveling a complex puzzle that ultimately reveals a groan-inducing, yet oddly satisfying dad joke.

6. Conclusion

CONCLUSION

In conclusion, our investigation into the affinity between the number of Bachelor's degrees awarded in Military Technologies and Applied Sciences and the stock price of ANSYS, Inc. (ANSS) has unearthed a correlation so strong, it could withstand more turbulence than a fighter jet in a thunderstorm. The correlation coefficient of 0.9729168 stands as a testament to the bond between these seemingly unrelated entities, demonstrating a connection more secure than a heavily fortified military base.

It's as if the world of finance and the realm of military expertise have engaged in a strategic alliance that rivals the camaraderie forged in the trenches. The association between academic attainment in military technologies and the financial performance of ANSYS, Inc. seems to be as intertwined as a pair of combat boots left out to dry after a long day's march.

Our results, with a r-squared value of 0.9465671 and a p-value less than 0.01, leave little room for doubt, much like a military command that brooks no dissent. It's as though these two domains have synchronized their movements, creating a partnership more harmonious than a well-rehearsed military band.

The findings from our study affirm that the connection between Bachelor's degrees in Military Technologies and Applied Sciences and ANSYS' stock price is not merely a passing fling; rather, it resembles a marriage more enduring than the durability of the latest, military-grade equipment. It's as if the stock market has found a steadfast

companion in the form of academia armed with military expertise.

No further research is needed in this area; our analysis has drilled down to the essence of this relationship, leaving it as clear as a sunny day at boot camp. The connection between military education and stock prices is as solid as a well-constructed bunker, and it seems that delving any deeper into this correlation might just lead us down a rabbit hole more confusing than a military surplus store's inventory.