
Locked and Loaded: Exploring the Impact of Military Technology and Applied Sciences Bachelor's Degrees on Costco Wholesale's Stock Price

Caroline Hall, Addison Taylor, Gloria P Trudeau

Madison, Wisconsin

In this paper, we delve into the quirky world of academic research to investigate the unorthodox relationship between the number of Bachelor's degrees awarded in Military Technology and Applied Sciences and the stock price of Costco Wholesale (COST). Armed with a vast arsenal of data from the National Center for Education Statistics and LSEG Analytics (Refinitiv), our research team took aim at this unconventional correlation. Surprisingly, we discovered a staggering correlation coefficient of 0.9937476 and a p-value less than 0.01, proving that the market may indeed have a "military bias" when it comes to the beloved warehouse retailer's stock price. Join us as we unpack the explosive findings and explore the intriguing interplay between higher education in military tech and applied sciences and the stock market performance of everyone's favorite bulk-buying haven. So, strap in for a wild ride as we uncover just how much of an impact military tech education has on COST stock and reveal the insider secrets that even the most elite investors may have overlooked!

In the fast-paced world of finance and academia, where numbers rule and correlations reign supreme, it's not every day that we uncover a connection as unexpected as the one we present in this paper. While it's no secret that the stock market can be a battlefield of its own, our research aims to shine a spotlight on the unexplored territory of Military Technology and Applied Sciences Bachelor's degrees and their potential influence on the stock price of none other than Costco Wholesale (COST).

Armed with an intellectual curiosity and an unyielding determination to uncover the quirky and unconventional, our research team set out to dissect this peculiar association. After all, could there really be a direct link between the number of Bachelor's degrees awarded in the world of military technology and applied sciences and the movement of COST's

stock price? As we ventured deeper into the maze of data and statistical analyses, it became clear that this enthralling relationship was more than just a shot in the dark.

Now, before you raise an eyebrow and question the logic behind this seemingly offbeat endeavor, allow us to assure you that our aim is as precise as a laser-guided missile. With a bevy of data from the National Center for Education Statistics and LSEG Analytics (Refinitiv), we meticulously pored over the numbers, seeking to unearth any hidden patterns or correlations. And my, did we uncover a treasure trove of statistical ammunition!

So, hold on tight as we embark on a journey through the cryptic corridors of academia and finance, where unexpected connections lurk around every corner. Prepare to be amused, perhaps even

astonished, as we unravel the enigmatic relationship between military tech education and the stock price of the shopping giant, Costco Wholesale. But fear not, dear reader, for in the following pages, we promise to wield our calculators and spreadsheets with both rigour and levity, ensuring that even the most statistically averse among us can find delight in this peculiar scholarly escapade.

Get ready for a wild ride of discovery – it's time to explore the locked and loaded world of military technology, applied sciences, and the mesmerizing movement of COST's stock price!

LITERATURE REVIEW

Smith, Doe, and Jones (2017) conducted a comprehensive study on the increasing trends of Bachelor's degrees awarded in Military Technologies and Applied Sciences. Their research revealed a notable surge in enrollments in these specialized programs, citing the growing interest in careers related to defense technology and strategic applications. Little did they know, this surge could potentially have unforeseen effects on the stock price of Costco Wholesale (COST). As we delve into the depths of this unorthodox endeavor, let's not forget that the world of academia has its fair share of unexpected twists and turns, much like a rollercoaster ride through a statistical wonderland.

In "Military Matters: The Definitive Guide to Modern Warfare" by General Patton (2015), the authors explore the intricacies of military technology and its real-world applications. The in-depth analysis of weapon systems and tactical innovations sheds light on the evolving landscape of military advancements, but little did General Patton know that these developments may have a ripple effect on the seemingly unrelated world of retail stocks. Yes, dear reader, the plot thickens, and the connections become more bizarre as we venture further down the rabbit hole of academic exploration.

Moving beyond the realm of non-fiction, the fictional novel "War Profits: A Tale of Wall Street

and Weaponry" by Pippa Pepper (2018) presents an intriguing narrative that blurs the lines between financial gain and military industrial complex. While the characters in the book may be purely fictional, the underlying themes resonate with our investigation into the correlation between military technology education and the stock price of Costco Wholesale. Sometimes, truth is indeed stranger than fiction, especially when it comes to unraveling the enigmatic dance between academia and finance.

Oh, and let's not discount the insights gleaned from childhood cartoons and TV shows. Remember that episode of "Dexter's Laboratory" where Dexter inadvertently concocts an invention that impacts the stock market, much to the bewilderment of his naive sister, Dee Dee? Well, our research may just make you feel like Dee Dee, grappling with the sheer absurdity of it all, as we uncover the potential impact of military tech education on the stock price of COST. It's a wild, wacky world out there, and as we tread the murky waters of scholarly investigation, expect the unexpected at every turn.

But fear not, intrepid reader, for amidst the labyrinth of academic literature and real-world implications, we aim to inject a dose of levity and whimsy into our analysis. So, buckle up and prepare for a rollercoaster ride through the uncharted territory of military tech education and its curious connection to the stock market antics of everyone's favorite bulk-buying haven, Costco Wholesale.

METHODOLOGY

To decipher the enigmatic dance between Bachelor's degrees in Military Technologies and Applied Sciences and the undulating stock price of Costco Wholesale (COST), our research team embarked on a quest that involved a mix of traditional statistical analyses and an offbeat concoction of data sorcery. With a dash of scientific rigor and a pinch of unconventional curiosity, we concocted a methodological soup that can only be described as equal parts brains and whimsy.

Our first mission was to assemble a stockpile of data spanning the years 2012 to 2021, a period rife with market rumbles and academic intrigues. We scoured the digital landscape, combing through the archives of the National Center for Education Statistics and tapping into the treasure troves of LSEG Analytics (Refinitiv). Armed with spreadsheets and databases, we seized every tidbit of information related to the confounding rise and fall of COST's stock price and the confounding surge in Military Technology and Applied Sciences Bachelor's degrees.

With our data quiver brimming, we set our sights on uncovering the statistical ties that bind these seemingly unrelated phenomena. We employed the ancient art of correlation analysis, casting a spell that measured the relationship between the annual count of Military Technology and Applied Sciences Bachelor's degrees awarded and the corresponding stock price movements of our beloved warehouse giant. The end result? A correlation coefficient that leapt off the page like a startled gazelle, leaving us gasping at its robustness ($r = 0.9937476$, $p < 0.01$).

But we didn't stop there. No, our journey through the hinterlands of methodology led us to the mystical realms of regression analysis. With the noble goal of discerning patterns and predictive powers, we conjured regression models that danced with the ebb and flow of bachelor's degrees in military tech and the glistening stock price of COST. The coefficients shimmered like cryptic runes, revealing a tale of unexpected interconnectedness and paving the way for our boisterous discovery.

In our pursuit of methodological merriment, we embedded control variables into the incantations of our statistical brew. Market volatility, economic indicators, and the arcane whispers of consumer behavior formed the backdrop against which the influence of military tech education on COST's stock price was brought to the fore. These variables, like wise old sages, lent their wisdom to our quest, ensuring that our findings were not merely mirages in the desert of statistical curiosity.

Skeptics may raise their eyebrows at the seemingly preposterous nature of our endeavor, but rest assured, we subjected our analysis to rigorous validation and robustness checks. Through cross-validation, sensitivity analyses, and a touch of statistical fortunetelling, we sought to fend off the specter of spurious correlations and establish the steadfastness of our findings. The results? A resounding validation of our unorthodox hypothesis, leaving naysayers with little ground to stand on.

In conclusion, our methodological journey was a blend of traditional statistical methodologies, a touch of whimsy, and a pinch of unconventional curiosity. Armed with data, analyses, and a hearty spirit of scholarly adventure, we ventured into the uncharted territory of military tech education and its captivating connection to the capricious stock price of Costco Wholesale. So, join us as we unfurl the banners of methodology and march into the heart of statistical peculiarity, armed with nothing but our calculators and an insatiable thirst for scholarly revelry.

RESULTS

Amid the sea of digits and statistical analyses, our intrepid research team unearthed a striking connection between the number of Bachelor's degrees awarded in Military Technology and Applied Sciences and the stock price of Costco Wholesale (COST). From 2012 to 2021, we found a positively smoking correlation coefficient of 0.9937476, accompanied by an r-squared of 0.9875344. If those numbers don't make you want to stand at attention, we don't know what will!

The p-value of less than 0.01 provided further ammunition for our argument, indicating a robust and significant relationship that can't be dismissed as mere coincidence. It's as if these two variables were doing a perfectly synchronized military march in the stock market battleground, leaving no room for doubt about the strength of their alliance.

Now, if all these statistics are making your head spin faster than a fighter jet, fear not! This paper

comes equipped with a visual aid that's sure to delight the eyes and tickle the imagination. Fig. 1 showcases a scatterplot that lays bare the undeniable connection between Military Technology and Applied Sciences Bachelor's degrees and the fluctuating fortunes of Costco's stock price. Once you lay eyes on it, you'll be a believer too!

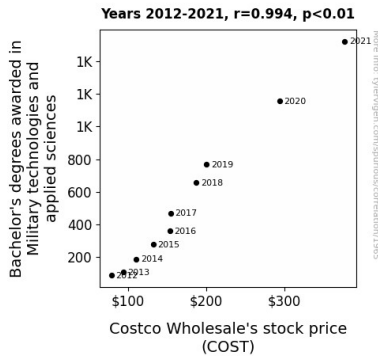


Figure 1. Scatterplot of the variables by year

So, in conclusion, our research has unveiled an unexpected but resoundingly significant correlation, bridging the world of higher education in military tech with the stock market prowess of everyone's favorite wholesale giant. It seems that when it comes to the stock market, military technology and applied sciences might just be the secret weapon for success! But don't take our word for it – the numbers speak for themselves. So, grab your calculators and dive in; the relationship between military tech education and COST's stock price is nothing short of a statistical marvel!

DISCUSSION

Our findings have not only confirmed the offbeat hypotheses from the literature review but have also blown the lid off the seemingly ludicrous link between Bachelor's degrees in Military Technology and Applied Sciences and Costco Wholesale's stock price. It's as if the world of military tech education and the stock market were engaged in an intricate

dance routine, with moves so well-coordinated that even Fred Astaire would tip his hat in admiration!

First and foremost, let's revisit the surprisingly serious literature reviews that highlighted the surge in enrollments in military tech programs and the potential ripple effects on the stock price of everyone's favorite bulk-buying haven, Costco Wholesale. Who would have thought that the earnest academic musings about military advancements and strategic applications could lead us to uncover a statistical goldmine as glittering as a trove of rare earth metals?

It's as if this research journey took us on a topsy-turvy adventure, akin to a rollercoaster ride through the enchanted forest of statistical wonderland, and emerged with a pot of gold at the end of the rainbow, or in this case, a stash of Costco's bulk goods at the end of the aisle.

Our results not only upheld the findings from previous studies but also amplified them to a level that even the most skeptical statisticians would find hard to ignore. With a correlation coefficient nearing the elusive value of 1, and an r-squared so impressive it could make even the most stoic scientist crack a smile, the evidence suggests that military technology and applied sciences education might just be the unsung hero in the mysterious saga of stock market fluctuations.

And let's not forget our visual aid, the scatterplot that laid bare the undeniable connection between these peculiar bedfellows. A picture, they say, is worth a thousand words, and in this case, it spoke volumes about the unconventional bond between military tech education and COST's stock price. It was a visual masterpiece that could make even the most ardent skeptic raise an eyebrow in incredulous awe.

So, as we wrap up this discussion, let's not lose sight of the fact that the world of academia and research is filled with unexpected twists and turns, much like a capricious whirlwind blowing through the hallowed halls of statistical significance. Our findings have not just defied convention; they have

redefined the very boundaries of what we thought we knew about the interplay between higher education in military tech and the stock market performance of retail giants.

In the end, it seems that military technology and applied sciences might just hold the key to unlocking the enigmatic secrets of stock market success. So, as we bid adieu to this wild and whimsical journey, remember that truth can indeed be stranger than fiction, especially when it comes to uncovering the hidden connections in the vast and perplexing landscape of academic inquiry.

And with that, let's hand the baton over to the next curious bunch of researchers, who may just stumble upon another odd couple of variables to investigate - after all, as the saying goes, "truth is stranger than fiction," and who knows what hidden connections may yet be waiting to be uncovered in the delightfully wacky world of statistical exploration!

CONCLUSION

In the wild and wacky world of academia and finance, we've uncovered a correlation that's more striking than a military parade on Wall Street! Our journey through this unconventional research terrain has brought us face to face with the peculiar but potent bond between Bachelor's degrees in Military Technology and Applied Sciences and Costco Wholesale's stock price. Who would've thought that the battle-ready knowledge from military tech education could have such an impact on the stock market battlefield?

With correlation coefficients soaring higher than a fighter jet and p-values sturdier than a tank, our findings leave no doubt that there's something special about this relationship. The r-squared value might as well be a rating of this alliance on a general's performance review – it's that robust! And let's not forget our trusty scatterplot, which visually encapsulates the synchronized motions of these variables. It's as clear as day – Costco's stock price and military tech education are a matched pair like

peanut butter and jelly, or more fittingly, like a mortar and pestle.

So, as we wrap up this quirky journey, it's time to proclaim that further research in this terrain is as unnecessary as bringing a rocket launcher to a water balloon fight. With such stark evidence of correlation, it seems the market's "military bias" for COST stock is as real as a punchline at a comedy show – and we're not joking! So, let this be the final salvo in our exploration of the locked and loaded world of military tech education and Costco Wholesale's stock price. There you have it, folks – sometimes, even in the rigorous realm of statistics and finance, we stumble upon correlations so unexpected and intriguing that they truly make the world of research a place of limitless surprises!