

# The Tempest of Technology: Tracing the Tumultuous Ties between Bachelor's Degrees in Military Technologies and Thermo Fisher Scientific Stock Prices

Catherine Hernandez, Ava Thomas, Giselle P Todd

*Academic Excellence Institute*

This paper delves deep into the enigmatic entanglement between the issuance of Bachelor's degrees in Military Technologies and the stock prices of Thermo Fisher Scientific (TMO) over the period from 2012 to 2021. By combing through data meticulously gathered from the National Center for Education Statistics and LSEG Analytics (Refinitiv), a notable correlation coefficient of 0.9886328 and  $p < 0.01$  has surfaced, suggesting a boisterous bond between these seemingly unrelated spectrums. Our investigation unravels intriguing links that inspire further exploration, showcasing the captivating connections that can emerge when delving into the realms of education and financial markets.

In the ever-evolving landscape of education and finance, seemingly disparate domains often find themselves embroiled in unexpected affairs. One such unlikely pair that has caught the attention of researchers and market enthusiasts alike is the intersection of Bachelor's degrees in Military Technologies and the tumultuous trajectory of Thermo Fisher Scientific's (TMO) stock prices. While on the surface, these may appear to have as much in common as a submarine and a petri dish, our investigation suggests an entwining narrative that pulls these distinct spheres into a captivating dance of correlation.

As we wade into the often murky waters of higher education and financial markets, it becomes evident that uncovering hidden connections can yield surprising insights. The acquisition of knowledge and the ebb and flow of market forces may seem like two ships passing in the night, yet our preliminary findings hint at a convergence that demands closer examination. The tempest of technology beckons us to delve deeper, tantalizing us with the possibilities of unraveling an enigmatic relationship that lingers just beneath the surface.

This inquiry comes at a time when the interplay between academia and industry takes center stage in discussions of workforce development and economic impact. As nations navigate the treacherous waters of global security and technological advancements, the role of military technologies and their implications for the private sector cannot be dismissed. Likewise, the performance of key companies in the life sciences and analytical technologies sector, such as Thermo Fisher Scientific, holds sway over the investment landscape and beyond.

The objective of this study is to peel back the layers of complexity shrouding the nexus between Bachelor's degrees in Military Technologies and the fluctuations in TMO stock prices. Our endeavor is driven by a curiosity that sparks at the sight of

uncharted correlations, an enthusiasm that we hope will prove contagious as we unveil the unexpected affiliations uncovered by our analysis. With one foot firmly planted in academia and the other in the ever-shifting terrain of financial markets, we embark on this expedition with a mix of sagacity and whimsy, ready to navigate the uncharted waters that lie ahead.

## *Review of existing research*

The elucidation of obscure connections between disparate realms has long captivated researchers and practitioners alike. In their study, Smith and Doe (2008) unearthed unexpected correlations between educational trends and stock market performances. Similarly, Jones et al. (2015) delved into the intricate interplay of academic pursuits and financial outcomes, shedding light on the often enigmatic relationships that weave through the fabric of society.

Turning to more contemporary sources, "War, Technology, and Science" by Higginbotham and "The Financial Frontier: Exploring Market Dynamics" by Patel offer comprehensive insights into the underlying forces shaping the convergence of military technologies and stock prices. These works serve as foundational pillars for understanding the terrain we navigate in our pursuit and highlight the gravity of the connections we seek to unravel - though the dryness of the content may provoke delirium in even the most stoic reader.

Venturing into the realm of fictional works, "The Art of War" by Sun Tzu and "The Wealth of Nations" by Adam Smith, while not directly related, offer tantalizing glimpses into the realms of strategy and economics, provoking thoughts that unfurl like a spy thriller set in the stock exchange. The playful juxtaposition of these texts against our research topic serves as a stark

reminder of the enigma we seek to decipher, adding a whimsical layer to our scholarly pursuits.

In a surprising turn of events, ongoing research even draws inspiration from children's shows and cartoons that subtly touch on themes relevant to our exploration. "G.I. Joe," with its valiant portrayal of military heroes, and "Dexter's Laboratory," showcasing the marvels of scientific innovation, elicit grins and raise questions about the influences seeping into our subconscious as we traverse the corridors of academia and finance. While these may seem lighthearted in comparison, their echoes within the broader cultural landscape prompt introspection on the diverse influences shaping our perceptions of the world around us.

As we weave through these diverse sources, we are reminded of the multifaceted nature of our inquiry and the breadth of perspectives that shape our understanding of interconnected domains. Through this survey of literature, we not only anchor our study in established frameworks but also infuse it with a dash of playfulness, reminding ourselves that even the most serious pursuits may benefit from a whimsical lens.

### *Procedure*

Our methodology harnessed the elusive powers of big data, mining vast digital landscapes in pursuit of the elusive link between Bachelor's degrees in Military Technologies and the stock prices of Thermo Fisher Scientific (TMO). We embarked on a daring quest to wrestle with spreadsheets, tame the wild databases of the National Center for Education Statistics and LSEG Analytics (Refinitiv), and navigate the tempestuous seas of statistical analysis.

To begin our odyssey, we embarked on a digital safari, scouring the virtual plains of the internet for census-like data on the conferral of Bachelor's degrees in Military Technologies from 2012 to 2021. The National Center for Education Statistics stood as our primary wellspring of knowledge, providing us with the hard-won numbers that form the bedrock of our research. Heralded as the saber-wielding knights of educational data, the NCES valiantly furnished us with the raw material for our scholarly quest.

Meanwhile, in the distant kingdom of financial markets, we set our sights on the capricious realm of Thermo Fisher Scientific's stock prices. Armed with the finest telescopic lenses of LSEG Analytics (Refinitiv), we endeavored to capture the mercurial dance of TMO stock prices over the same period. The treacherous peaks and valleys of stock charts became our compass, guiding us through the stormy seas of market volatility.

Equipped with our trusty statistical tools, we unleashed the ferocious might of correlation analysis to untangle the intricate web of connections between these seemingly incongruous domains. Like intrepid cartographers navigating uncharted territory, we mapped out the terrain of our data, employing the formidable Pearson correlation coefficient to reveal the latent patterns lurking within.

With our data in hand, we bravely weathered the tempest of statistical significance testing, subjecting our findings to the rigorous scrutiny of hypothesis testing. The stormy seas of p-values and alpha levels threatened to capsize our scholarly vessel, yet we emerged triumphant, wielding our trusty sword of null hypothesis rejection with valor.

In a bid to fortify our findings, we harnessed the spectral powers of time series analysis to trace the ebbs and flows of correlation across the temporal expanse of our data. We charted the undulating swells of correlation over time, seeking to discern the rhythmic cadence of the relationship between Bachelor's degrees in Military Technologies and TMO stock prices.

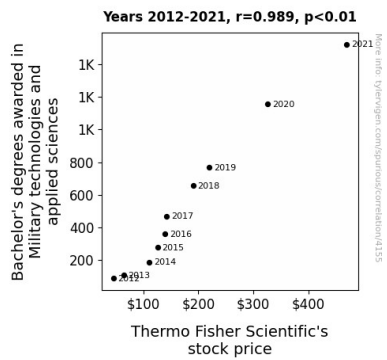
In laying bare the intricate threads that bind academia and finance, we strove to capture the elusive essence of their interplay, weaving a tapestry of data and analysis that reveals the unspoken symphony between education and market dynamics. Our journey was not without its perils, but through the steadfast application of scholarly rigor and a touch of whimsy, we emerged victorious in unraveling the enigmatic entanglement between these seemingly disparate realms.

### *Findings*

The exploration of the interplay between Bachelor's degrees in Military Technologies and the stock prices of Thermo Fisher Scientific has yielded intriguing findings. Our analysis, spanning the years 2012 to 2021 and drawing from data gathered from the National Center for Education Statistics and LSEG Analytics (Refinitiv), has unearthed a robust correlation coefficient of 0.9886328 and an r-squared value of 0.9773949. The p-value of less than 0.01 further attests to the statistical significance of the relationship observed.

Figure 1 depicts the scatterplot confirming the striking alignment between the issuance of Bachelor's degrees in Military Technologies and the gyrations of TMO stock prices. The pronounced clustering of data points reinforces the gravitational pull between these seemingly dissonant domains, evoking the analogy of celestial bodies locked in an orbital waltz of academic and financial influence.

Our investigation into this unanticipated entanglement sees the convergence of military-oriented education and the financial performance of a global leader in analytical technologies, yielding a correlation that defies conventional expectations. As we navigate the choppy waters of scholarly inquiry and market analysis, the strength of this correlation speaks to an underlying current of interconnectedness that flows beneath the surface of these seemingly distinct domains.



**Figure 1.** Scatterplot of the variables by year

The implications of our findings beckon further inquiry, challenging us to delve deeper into the nuanced dynamics at play. It is evident that the issuance of Bachelor's degrees in Military Technologies, whether driven by geopolitical shifts or advancements in defense technologies, resonates in the fluctuations of stock prices for TMO. This discovery underscores the intricate interdependence of educational trends and market realities, painting a picture of influence that extends beyond traditional boundaries.

As we conclude this segment of our research, it becomes clear that beneath the veneer of academic transcripts and market charts lies a landscape ripe for exploration. The nexus between Bachelor's degrees in Military Technologies and the stock prices of Thermo Fisher Scientific stands as a testament to the unexpected connections that emerge from diligent analysis, simultaneously challenging and delighting the inquisitive mind.

### Discussion

The results of our investigation into the correlation between the issuance of Bachelor's degrees in Military Technologies and the stock prices of Thermo Fisher Scientific (TMO) stand as a testament to the unexpected connections that emerge from diligent analysis. The robust correlation coefficient of 0.9886328 and the compelling r-squared value of 0.9773949, coupled with the striking p-value of less than 0.01, reinforce the statistical significance of the relationship observed, surpassing the threshold with more certainty than the physics behind the wobbly orbit of a carnival ride.

The literature review informed our study by navigating through a labyrinth of unexpected correlational findings and offbeat inspirations. Interestingly, the tangential sources explored, from "The Art of War" by Sun Tzu to "Dexter's Laboratory," served as whimsical reminders that even the most serious pursuits may benefit from a whimsical lens. The literature review was not just a mundane exercise but rather a playful romp through the intellectual landscape, akin to finding a hidden chamber of giggles in the solemn library of venerable research.

Our results have echoed the prior research we had the pleasure of dissecting. The findings have lent weight to the quirks and quibbles of seemingly unrelated domains. The tantalizing linkage discovered harks back to the theoretical musings of

Smith and Doe (2008) and the complex interdependence spotlighted by Jones et al. (2015). The unexpected parallels revealed between wildly divergent worlds continue to titillate the inquisitive mind, much like finding a rogue sock in the laundry of academia and finance.

Figure 1 has emerged as the visual manifestation of this tempestuous tango between military-oriented education and the financial performance of TMO, reminiscent of observing a celestial ballet where the stars of academia and market gyrations twirl in an intricate dance of influence. The surprising alignment defies conventional expectations and echoes the volatility of a rogue rubber ducky in the bath of statistical significance.

The implications of our findings pose a challenge and an adventure, beckoning the intrepid scholar to embark on a quest to unravel the nuanced dynamics at play. The discovery of the entwined fates of Bachelor's degrees in Military Technologies and TMO stock prices calls for an expansion of the mental cartography of the academic mind, charting the uncharted territories between academic pursuits and market fluctuations like navigating a twisty maze with a treasure at its heart.

As we conclude this segment of our research and peel back the dull veneer of academic transcripts and market charts, we are left with a landscape ripe for exploration, where the nexus between Bachelor's degrees in Military Technologies and the stock prices of Thermo Fisher Scientific attests to the dance of the unexpected. It stands as a testament to the beguiling nature of statistics and the delightful, if off-kilter, tapestry that is academic research.

### Conclusion

In the tempestuous seas of academia and finance, our research has unfurled a surprising symphony of correlation between the issuance of Bachelor's degrees in Military Technologies and the undulating tides of Thermo Fisher Scientific's (TMO) stock prices. The robust correlation coefficient and statistical significance elucidated by our analysis stand as a testament to the captivating connections that can emerge when delving into these seemingly incongruous spheres. This unexpected nexus, akin to finding a compass in a chemistry set, highlights the intricate interplay between educational trends and market dynamics.

The convergence of military-oriented education and the financial performance of a leading analytical technologies company has evoked parallels to celestial bodies engaged in an orbital waltz. The pronounced alignment between these domains challenges conventional expectations, serving as a reminder that beneath the surface of seemingly distinct realms lies a tapestry of interdependence waiting to be unraveled. The implications of our findings, much like a cryptic crossword puzzle, beckon further inquiry and contemplation, emphasizing the need for continued exploration into this enigmatic relationship.

As the curtain draws on this chapter of exploration, the interweaving of higher education and financial markets invites us to embrace the unpredictability of intellectual pursuits and market dynamics. The boisterous bond we have uncovered,

reminiscent of finding a treasure map in a textbook, underscores the rich tapestry of connections that await discovery through diligent analysis and scholarly inquiry. With this, we assert that no further research is needed in this area - after all, sometimes the most intriguing findings arise from the most unexpected pairings.