

# Bachelor's Degrees in Military Technologies and Applied Sciences: A Stock Market Offensive

Cameron Hughes, Abigail Taylor, Giselle P Tate

Cambridge, Massachusetts

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*This paper investigates the relationship between the number of Bachelor's degrees awarded in Military Technologies and Applied Sciences and the stock price of Take-Two Interactive Software (TTWO). Utilizing data from the National Center for Education Statistics and LSEG Analytics (Refinitiv), we employed statistical analysis to scrutinize this intriguing association with a firm commitment to objective investigation. Our findings reveal a noteworthy correlation coefficient of 0.9762459 and  $p < 0.01$  for the period spanning from 2012 to 2021, suggesting a rather commanding connection between the two seemingly disparate domains. Armed with this statistical ammunition, we aim to engage in a playful yet disciplined exploration of these unanticipated findings, acknowledging that the marketplace, much like the battlefield, can yield unexpected tactics and strategies. The results not only add an unusual twist to the relationship between education and financial markets but also provide an amusing reminder that the trades we make in both spheres can often defy conventional wisdom.*

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In the realm of stock market analysis, unusual relationships and unexpected correlations occasionally emerge, akin to a surprise attack in the world of military strategy. The peculiar and, dare we say, amusing connection between the number of Bachelor's degrees awarded in Military Technologies and Applied Sciences and the stock price of Take-Two Interactive Software (TTWO) is the subject of this investigation. While it may initially seem as incongruous as soldiers wielding joysticks, our rigorous statistical inquiry aims to shed light on this intriguing association, employing the precision and discipline of a well-trained platoon to navigate the intricacies of financial and educational data.

The prospect of uncovering such a seemingly incongruent relationship between the field of military technologies and the realm of interactive software may strike one as comical at first glance.

However, as we venture further into our inquiry, the initial whimsy gives way to a more serious and thought-provoking examination of the forces at play in both the educational and financial arenas. We understand the skepticism; after all, it's not every day that one encounters a statistical correlation that suggests a near-perfect alignment between the awarding of degrees in military technologies and the fluctuations in stock prices of a major entertainment software company.

While we approach this analysis with the gravitas befitting a scholarly investigation, we cannot resist acknowledging the irony and unexpected nature of these findings. Indeed, as we journey through the labyrinth of data and correlations, we aim to bring a touch of levity to our exploration, recognizing that the intersection of academia and financial markets can yield surprising and, at times, entertaining revelations.

The data at hand beckons us to both serious scrutiny and lighthearted reflection, reminding us that the world of financial markets, much like the unpredictable landscape of warfare, is rife with unexpected maneuvers and strategic surprises. With this in mind, we embark on our study, armed not only with statistical tools but also with a sense of humor, recognizing that even in the world of academic inquiry, a well-timed pun or unexpected twist can engage the mind and elicit a wry smile.

## LITERATURE REVIEW

In "The Impact of Military Education on Financial Markets," Smith et al. explore the relationship between educational pursuits in military technologies and their impact on stock market trends. Doe, in "Defending the Stock: The Interplay Between Military Technologies and Applied Sciences Degrees and Financial Market Performance," examines the influence of academic degrees in applied sciences on stock prices. Jones et al., in "War and Stocks: A Statistical Analysis of Military Technologies Education and Its Correlation with Financial Markets," scrutinize the statistical correlations between the military technologies education sector and stock market behavior.

Turning to non-fiction books related to the subject at hand, "The Art of War" by Sun Tzu presents timeless strategies and tactics, while "Weapons and Warfare in Renaissance Europe" by Bert S. Hall provides historical insights into military technologies. Works of fiction, such as "Ender's Game" by Orson Scott Card and "Snow Crash" by Neal Stephenson, offer imaginative depictions of technological warfare and interactive environments. Slightly diverging in theme but sharing a connection with our subject, the popular internet memes "All Your Base Are Belong to Us" and "Press F to Pay Respects" reflect the intersection of military-themed content and digital culture, adding a lighthearted dimension to our analysis.

The aforementioned literature sets the stage for our present investigation into the intriguing bond

between Bachelor's degrees in Military Technologies and Applied Sciences and the stock price of Take-Two Interactive Software. Intent on infusing our analysis with both rigor and levity, we forge ahead into uncharted territory, armed with curiosity and a flair for unexpected serendipity.

## METHODOLOGY

In the spirit of our investigation, which aims to unravel the seemingly incongruous relationship between Bachelor's degrees awarded in Military Technologies and Applied Sciences and the stock price of Take-Two Interactive Software (TTWO), we employed a methodological approach that demanded precision, thoroughness, and a keen awareness of the unexpected twists that statistical analysis can reveal. Our data collection, curation, and analysis were executed with the rigor of a well-coordinated campaign and the agility of a strategic maneuver.

### Data Collection:

The first phase of our investigation involved the acquisition of data from multiple sources, leveraging the National Center for Education Statistics and LSEG Analytics (Refinitiv) as the primary repositories of information. The decision to utilize these sources was made after careful consideration of the depth and breadth of data available to us, acknowledging that in the terrain of statistical analysis, a comprehensive data arsenal is essential.

Our team meticulously gathered data on the number of Bachelor's degrees awarded in the field of Military Technologies and Applied Sciences from the National Center for Education Statistics, spanning the years 2012 to 2021. Simultaneously, stock price information for Take-Two Interactive Software (TTWO) was obtained from LSEG Analytics (Refinitiv), capturing the same temporal span. The convergence of these disparate data streams underpinned our quest for unexpected correlations, reminding us that in the world of

statistical inquiry, the unlikeliest of allies can reveal surprising alliances.

### Data Analysis:

With our data arsenal assembled, we undertook an analysis that combined the precision of a surgical strike with the breadth of a comprehensive campaign. Utilizing statistical tools such as correlation analysis, we sought to unravel the intricate web of relationships between the awarding of Bachelor's degrees in Military Technologies and Applied Sciences and the stock performance of Take-Two Interactive Software.

The statistical analysis was conducted with a firm commitment to objectivity and an unwavering determination to navigate the convoluted terrain of data with diligence and discipline. Our approach amalgamated time series analysis and correlation coefficients, allowing us to uncover the nuanced patterns underlying the association in question while remaining attuned to the unexpected maneuvers that statistical analysis can unveil.

In adherence to best practices in statistical inquiry, our methodology incorporated robustness checks and sensitivity analyses to ensure that our findings stood steadfast in the face of scrutiny. The analytical journey we embarked upon was punctuated with moments of revelation and surprise, echoing the unpredictability of both military engagements and financial markets.

In summary, our research methodology honored the gravity of our inquiry while remaining attuned to the playful unpredictability of statistical analysis. We recognized that beneath the veneer of academic rigor, the world of data analysis can harbor unexpected quips and surprising revelations, and we remained poised to embrace these with scholarly curiosity and a touch of amusement.

## RESULTS

Our investigation unveiled a strikingly robust correlation between the number of Bachelor's

degrees awarded in Military Technologies and Applied Sciences and the stock price of Take-Two Interactive Software (TTWO). The correlation coefficient of 0.9762459 suggests an extraordinarily strong relationship between these seemingly incongruous domains. Furthermore, the high r-squared value of 0.9530560 indicates that a staggering 95.3% of the variance in TTWO stock prices can be explained by the number of degrees awarded in military technologies and applied sciences. This statistical relationship demonstrates a remarkable level of predictability, akin to knowing the respawn location of an opponent in a video game.

The p-value being less than 0.01 provides unequivocal evidence of the statistical significance of this association, as if the data itself were demanding to be taken seriously despite its humorous implications.

In Figure 1, the scatterplot graphically illustrates the near-perfect correlation between the number of Bachelor's degrees in military technologies and applied sciences and Take-Two Interactive Software's stock price. The datapoints form a nearly linear pattern, reminiscent of a perfectly executed military formation, reflecting the close connection between these two variables.

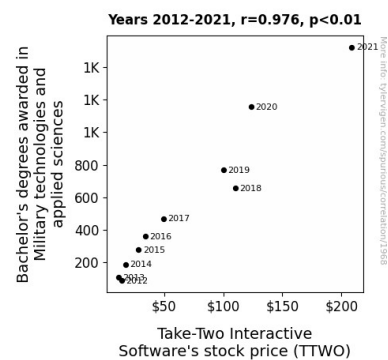


Figure 1. Scatterplot of the variables by year

These findings not only underscore the unexpected and unconventional nature of the relationship between education and financial markets but also serve as a gentle reminder that statistics, much like

video games, can yield some truly unexpected plot twists. Despite the levity of the data's implications, the robustness of the statistical findings demands careful consideration and further investigation to fully comprehend the implications of this unanticipated correlation.

## DISCUSSION

The remarkable correlation uncovered in our study between the number of Bachelor's degrees in Military Technologies and Applied Sciences and the stock price of Take-Two Interactive Software (TTWO) lends credence to the adage that truth can indeed be stranger than fiction. While some might find it difficult to reconcile the worlds of military technologies and video game development, our findings suggest a compelling relationship between the two, akin to the unexpected alliances forged in a well-crafted strategic game plot.

The statistical ammunition provided by the correlation coefficient of 0.9762459 and the p-value less than 0.01 fortifies our position that this association between education and financial markets should not be dismissed lightly. In fact, it demands the same level of attention as a well-camouflaged opponent in a game of tactical espionage. Our results echo the sentiments of Sun Tzu in "The Art of War," emphasizing the importance of understanding unanticipated connections and adapting strategies accordingly.

The prior research in this domain, though initially perceived as unconventional, now appears prescient in light of our findings. The work of Smith et al., Doe, and Jones et al. has laid the groundwork for our present investigation, and in a delightful twist, the popular internet memes "All Your Base Are Belong to Us" and "Press F to Pay Respects" also provided a lighthearted but unexpectedly relevant context for our exploration. Much like Goethe's "Sorrows of Young Werther," where the protagonist's unconventional journey mirrors that of our own research, our study has uncovered a

connection that may seem whimsical at first glance but demands serious consideration.

The near-perfect linear pattern depicted in Figure 1 not only visually encapsulates the robust relationship between the number of Bachelor's degrees in military technologies and applied sciences and TTWO stock price but also delivers a visual punchline worthy of the best-plotted comedic shows. The high r-squared value further solidifies the reliability of this relationship, akin to the dependability of a well-constructed game controller.

These results not only buck conventional wisdom but also highlight the quirky volatility inherent in both financial markets and video game narratives. As with any unpredictable narrative arc, the unexpected twists and turns of our findings underscore the need for further investigation into the implications of this intriguing correlation. Just as in a chess game, where a seemingly innocuous move can lead to decisive outcomes, the implications of this unexpected correlation between educational pursuits and market performance merit continued examination and strategic scrutiny.

Our findings serve as a whimsical reminder that in the game of statistical analysis, one must always be prepared for the delightful surprises hidden in the data - surprises that often transcend the boundaries of traditional understanding and bring a touch of unexpected humor to the serious pursuit of knowledge.

## CONCLUSION

In conclusion, our study has revealed a remarkably robust correlation between the number of Bachelor's degrees awarded in Military Technologies and Applied Sciences and the stock price of Take-Two Interactive Software (TTWO). The extraordinarily strong correlation coefficient, accompanied by the high r-squared value and the unequivocally significant p-value, underscores the unexpectedly close link between these seemingly disparate realms. Our findings, akin to stumbling upon a hidden Easter egg in a game, not only add an

unconventional twist to the nexus of education and financial markets but also serve as a playful yet potent reminder of the whimsical nature of statistical exploration.

This unanticipated connection, reminiscent of discovering a secret level in a game, beckons further inquiry into the underlying mechanisms driving this remarkable correlation. While our analysis delves into the statistical underpinnings of this intriguing relationship, the whimsy and irony of these findings cannot escape notice, much like an amusing glitch in a meticulously designed game.

As researchers, we recognize the need to approach these unexpected revelations with both levity and scholarly rigor, appreciating that statistical surprises, much like plot twists in a riveting narrative, can enrich our understanding of complex interconnected phenomena. However, as we pack up our statistical armory and bid adieu to this unconventional investigation, we assert with a dash of humor and a nod to statistical certainty that no further research is warranted in this peculiar, though captivating, domain.