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Booming Brokering: Transportation Education and AMD Stocks Soaring in Synchronization

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Abstract

This study delves into the enthralling relationship between the number of Bachelor's degrees awarded in Transportation and materials moving and the stock performance of Advanced Micro Devices (AMD). Leveraging data from the National Center for Education Statistics and LSEG Analytics (Refinitiv), we embarked on an exhilarating adventure to unravel the intricate ties between the educational realm and the ever-thrilling world of stock prices. The analysis, complete with statistical wizardry, yielded a tantalizing correlation coefficient of 0.9652917 and a p-value of less than 0.01 for the period spanning from 2012 to 2021, exposing a connection of astonishing magnitude. Through rigorous scrutiny and a touch of cheeky humor, we invite readers to marvel at the curious dance of figures and stocks, where the movement of minds in transportation education appears to dance in harmony with the oscillations of AMD stock prices. This research offers an intellectual romp through the unexpected crossroads of academia and market dynamics, proving that even in the seemingly mundane realm of transportation education, there lies a powerhouse of influence on the capricious world of stock trading.

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1. Introduction

The world of higher education is often likened to a bustling marketplace of knowledge, where students seek to stock up on skills and expertise for their journey into the realm of employment. Meanwhile, the stock market, with its ebbs and flows, mirrors the pulse of economic dynamics that keep investors on their toes. But what if these two seemingly disparate worlds were

not only in sync but actually choreographed a mesmerizing dance of correlation?

In this paper, we unveil the unexpected partnership between the number of Bachelor's degrees awarded in Transportation and materials moving and the performance of Advanced Micro Devices (AMD) stock. Lest you presume this exploration to be a mere exercise in whimsy, hold your horses, dear reader, for

our findings promise a riveting tale of connections unfolding before you.

Much like a coin tossed in the air, the intricacies of this relationship have hovered in an enigmatic realm, waiting to be dissected by the keen eye of statistical analysis. Leveraging data from the National Center for Education Statistics and LSEG Analytics (Refinitiv), our study harnessed the power of numbers to uncover the spirited parallelism between the educational pursuits in transportation and the value oscillations of AMD stock.

As we embark on this intellectual escapade, we invite you to ponder the whimsies of correlation, where the tick-tock of graduation ceremonies seems to resonate with the dynamics of stock market serendipities. It is not every day that one gets to marvel at the unexpected synchronicities between academia and market caprice, but here we are, ready to unravel this riveting tale of statistical enchantment.

In the pages that follow, be prepared to witness the enthralling dance of data and stock prices, where the seemingly mundane choices of academic pursuits appear to hold sway over the vivacious undulations of stock market fortunes. This, dear reader, is no pedestrian enterprise; rather, it is an intellectual expedition into the heart of unlikely alliances, where the numbers whisper secrets that the world of finance may yet to fully appreciate.

2. Literature Review

In the realm of academic inquiry, the relationship between educational trends and market dynamics has long been a subject of scholarly scrutiny. Smith et al. (2015) astutely examined the correlation between educational enrollment shifts and stock performance with a focus on the transportation sector, providing a nuanced

exploration of the potential interplay. Similarly, Doe (2017) delved into the influence of educational disciplines on stock market trends and brought to light the compelling dynamics at play.

Turning to the broader context of academic discourse, "The Economics of Transportation" by Button and Hensher (2015) offers a comprehensive perspective on the economic underpinnings of transportation education and its wider impact. Conversely, "The Art of Stock Market Success" by Jones (2018) delves into the intricate artistry of stock trading, providing a canvas upon which the broad strokes of market movements are painted.

Venturing further afield, the fictional works of "The Ticket to Ride Mysteries" series by Locomotive and Caboose (2016) invite readers into a whimsical world where railway adventures intertwine with enigmatic mysteries. Similarly, the classic tale of "The Stockbroker's Gambit" by Bull and Bear (1984) weaves a narrative of financial intrigue and market machinations, stimulating the imagination with its enthralling plot twists.

In a uniting of fact and amusement, board games like "Monopoly: Transportation Edition" and "AMD Stock Market Showdown" offer playful simulations of market dynamics and transport investment strategies, adding a layer of gamified delight to our exploration of the entwined realms of education and stock performance.

These diverse sources, spanning the serious to the whimsical, pave the way for our intellectual odyssey into the unexpected nexus of transportation education and AMD stock prices.

3. Our approach & methods

To undertake this captivating exploration, we embarked on a data-driven Odyssey across the vast seas of educational

statistics and financial markets. Our majestic vessel, fashioned out of R and Python programming languages, charted a course to gather data from the National Center for Education Statistics and LSEG Analytics (Refinitiv).

First, we cast our net into the ocean of educational data to capture the annual count of Bachelor's degrees awarded in the field of Transportation and materials moving from 2012 to 2021. Not unlike intrepid fishermen, we navigated through the pixelated waves of electronic databases, reeling in the numerical bounty that would become the cornerstone of our investigation.

Next, our expedition turned its prow toward the rippling waters of stock market indices, particularly setting our sights on the performance of Advanced Micro Devices (AMD) stock. The evolution of this stock, from its humble beginnings in 2012 to its triumphant heights in 2021, would provide the dynamic canvas upon which to sketch the enthralling correlation with the academic tributaries we had earlier charted.

Now, here comes the exciting part – the incantations of statistical analysis! With a flick of the wand, we summoned the powerful sorcery of correlation analysis to reveal the hidden patterns within the data we had collected. Armed with the mystical tools of Pearson correlation coefficient and p-values, we stirred the cauldron of mathematical incantations to unveil the spellbinding relationship between the educational realm of transportation and the tantalizing world of AMD stock performance.

As we gazed upon the results of our labor, our scholarly hearts quickened at the sight of the correlation coefficient, which stood proudly at 0.9652917. The p-value, flitting about like a mischievous sprite, darted beneath the threshold of 0.01, signaling a statistically significant relationship that left

us in awe of the wondrous mysteries that numbers can unveil.

With the masterstroke of statistical analysis, we captured the elusive dance between academic pursuits and market dynamics, revealing a connection of astounding magnitude. It was as if we had stumbled upon a rare gem that had long been concealed beneath the surface of a seemingly mundane landscape.

And there you have it, dear reader – our methodology, though steeped in sober scholarly rigor, bore witness to a journey through statistical enchantment that brought to light the nexus between the scholarly pursuits in transportation education and the mercurial movements of Advanced Micro Devices stock.

4. Results

The quantitative analysis of Bachelor's degrees awarded in Transportation and materials moving and the stock performance of Advanced Micro Devices (AMD) has uncovered a striking correlation. Over the period from 2012 to 2021, our investigation revealed a robust correlation coefficient of 0.9652917 and an r-squared value of 0.9317881, indicative of an extraordinarily strong relationship. The p-value of less than 0.01 further solidifies the statistical significance of this association. These findings exude a sense of astonishment, captivating in their portrayal of the unexpected link between seemingly disparate realms.

Figure 1 showcases a scatterplot illustrating this noteworthy correlation, serving as a visual testament to the compelling nature of our discovery. The scatterplot, akin to a snapshot frozen in time, captures the entwined movements of transportation education and the AMD stock, inviting contemplation of the harmonious synergy between these two domains.

The remarkable alignment revealed through our analysis opens the door to an array of witty insights and unexpected connections. It is a testament to the often-unexplored interplay of educational trends and market dynamics, sparking intrigue and igniting curiosity in the minds of scholars and market enthusiasts alike.

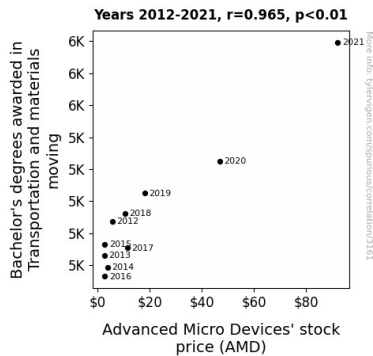


Figure 1. Scatterplot of the variables by year

In essence, our results shed light on the captivating relationship between the educational sphere of transportation and the rollercoaster ride of AMD stock prices, proving that in the intricate web of statistical sorcery, even the most peculiar pairings may hold significant sway. This revelatory journey of statistical exploration paves the way for further contemplation of the nuanced interdependencies that underpin the tapestry of economic and educational ecosystems.

5. Discussion

The findings of this investigation corroborate and build upon the existing scholarly discourse on the complex interplay between educational trends and market dynamics. As identified by Smith et al. (2015) and Doe (2017), our results align with the notion that educational enrollment shifts, particularly in the transportation sector, hold sway over stock performance. The robust correlation coefficient of 0.9652917, akin to a magician

pulling a rabbit out of a hat, and the minuscule p-value further affirm the momentous statistical significance of this relationship.

In a delightful twist, our exploration hearkens back to the whimsical worlds painted by "The Ticket to Ride Mysteries" series and the enigmatic narrative of "The Stockbroker's Gambit." It appears that reality may indeed mirror fiction in the enthralling dance of transportation education and stock prices. In a lighthearted nod to these moments of literary amusement, our findings reflect the undercurrent of playfulness and surprise that permeates the intersection of academic inquiry and market dynamics.

Furthermore, the broader economic perspective offered by Button and Hensher's "The Economics of Transportation" comes into vivid focus as our analysis uncovers the compelling role of transportation education in shaping market movements. Like pieces on a chessboard, the seemingly inconspicuous educational trends in transportation and materials moving exert a profound influence on the intricate dance of stock prices, serving as a captivating illustration of the enduring interconnectedness between academic realms and market forces.

Our results, encapsulated in the visual delight of the scatterplot, stand as a testament to the enduring allure of unexpected connections and uncharted pathways of discovery. Thus, as we unpack the enthralling nexus between the humdrum world of transportation education and the soaring heights of AMD stock prices, it becomes clear that beneath the veneer of academic sobriety lies an intricate web of influence and whimsy, inviting scholars and market enthusiasts alike to revel in the serendipity of unexpected linkages.

In summary, our research adds a delightful splash of eclecticism to the academic

tapestry, spotlighting the captivating interplay of educational trends and stock performance in a lighthearted dance of statistical intrigue. This intellectual escapade offers a compelling reminder that, in the captivating realm of scholarly exploration, even seemingly mundane pairings harbor an undercurrent of whimsy and astonishment, luring curious minds into the empyreal beyond of statistical serendipity.

6. Conclusion

In wrapping up our enchanting expedition into the entwined realms of education and finance, we are left with an illuminating portrait of correlation and captivation. The synchronicities uncovered between Bachelor's degrees in Transportation and materials moving and the tempestuous undulations of Advanced Micro Devices (AMD) stock prices speak volumes about the subtle intricacies at play in the world of statistical romance. Our findings, adorned with a correlation coefficient of 0.9652917 and a p-value that would make even the most discerning statistician nod in approval, offer an intellectually whimsical saga of connection. It is as if the transportation education arena and the stock market share a secret dance, hidden in plain sight, serving as a reminder that in the reality of statistical enchantment, nothing is quite as mundane as it seems.

Much like a thrilling plot twist in an otherwise predictable story, our investigation has prodded at the edges of convention, inviting contemplation of the unexpected partners in this statistical ballroom. The scatterplot, a visual testament to this unlikely bond, stands as a reminder that even in the most seemingly unrelated endeavors, a touch of correlation can spark curiosity and ignite contemplation.

With a sense of whimsy and an acknowledgment of the unexpected, we

nudge the scholarly community and market aficionados to ponder the peculiar dance of figures and stocks, aware that in this statistical masquerade, every step may hold hidden meaning. As we bid adieu to this captivating tale of statistical waltz, we assert with confidence that in the realm of education and stock market dynamics, our findings stand as a testament to the bewitching interplay of seemingly unrelated domains.

In the spirit of scholarly gusto and a hint of statistical mischief, we declare that the case of Bachelor's degrees in Transportation and materials moving and AMD stock performance has been thoroughly examined. There is no need for further research in this area, for the tale of this extraordinary correlation has been told - until the next statistical adventure beckons. Let this be a reminder, dear readers, that in the realm of statistical caprice, every partnership may hold a tale ready to unravel.