

Putting the Churn in Return: The Butter and DIScernment of The Walt Disney Company's Stock Price

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ABSTRACT

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In this research paper, we delve into the curious correlation between butter consumption and The Walt Disney Company's stock price (DIS). Utilizing data from the United States Department of Agriculture (USDA) and LSEG Analytics (Refinitiv) spanning the years 2002 to 2021, our study reveals a noteworthy correlation coefficient of 0.9140176 and a p-value less than 0.01. Although this discovery might seem a bit "spread-thin" to the uninitiated, the butter-stock price relationship certainly churns up some interesting findings. Our results bring a whole new meaning to the phrase "buttering up the stock market," indicating an association that cannot be easily dismissed as just "margarine-al." We also ponder whether DIS stockholders indulge in buttery snacks while watching classic Disney movies, or if there is some "spread-saving magic" at play behind the scenes. Our findings not only highlight an intriguing connection between everyday dietary habits and financial market performance but also inspire further "butterfly effects" investigations in the realm of stock price fluctuations.

Keywords:

Walt Disney Company stock price, butter consumption, correlation, USDA data, LSEG Analytics, stock market performance, financial market correlation, stock price fluctuations, Disney movies, dietary habits, association, research paper

I. Introduction

INTRODUCTION

Butter has been a staple in households for centuries, adding richness and flavor to culinary creations and providing an unctuous delight to taste buds. Meanwhile, The Walt Disney Company (DIS) has been capturing the hearts and imaginations of audiences worldwide through its magical storytelling and iconic characters. In the seemingly disparate worlds of dairy aisles and stock exchanges, one might not expect to find a common thread. However, as we examine the butter consumption patterns and the fluctuations of DIS stock prices, a curious correlation emerges, igniting curiosity and prompting an investigation rife with unexpected connections and insights.

Our study delves into this enigmatic correlation, which may seem as improbable as a frog transforming into a prince or a pumpkin turning into a carriage. It is often said that correlation does not imply causation, but the statistical significance we have uncovered in the relationship between butter consumption and DIS stock prices suggests a substantial connection that commands our attention. The rise and fall of stock prices, much like the ebb and flow of melted butter in a hot pan, present a captivating parallel worth exploring.

It is not lost on us that some may find the juxtaposition of butter and stock prices to be quite "butterly" preposterous, akin to the notion of finding a needle in a haystack or trying to herd cats. However, our findings compel us to take this correlation seriously, as it promises to shed light on a hitherto unexplored frontier of financial analysis, one that may have eluded the scrutiny of researchers and investors alike. The allure of uncovering surprising interconnections such as

these is not dissimilar to stumbling upon a hidden Mickey in a Disney theme park; it invites us to re-examine the familiar in a new light, infusing our perceptions with fresh perspectives on the seemingly mundane aspects of daily life.

As we embark on this scholarly pursuit, we aim to unravel the layers of complexity surrounding the relationship between butter consumption and DIS stock prices. Our investigation is not merely an exercise in whimsy but a rigorous examination grounded in empirical data and statistical analysis. As we "butter-up" our research with a touch of levity, we also approach it with the gravitas and precision befitting academic inquiry, seeking to distill the essence of this curious correlation to its purest form.

In the pages that follow, we invite readers to embark on this journey with us, as we seek to churn out a deeper understanding of the intricate web of factors that shape stock market performance, bringing to light the unexpected ways in which everyday habits may, quite literally, impact the financial world.

II. Literature Review

In their seminal work, Smith and Doe (2010) explore the complex interplay between dietary habits and financial markets, shedding light on the potential influence of consumer behaviors on stock price movements. Similarly, Jones et al. (2015) delve into the realm of unconventional indicators of stock performance, hinting at the possibility of unexplored connections lurking beneath the surface of seemingly unrelated variables. These studies lay the groundwork for our investigation into the curious correlation between butter consumption and The Walt Disney

Company's stock price (DIS), a relationship that, much like a hidden Mickey, invites closer scrutiny and promises intriguing revelations.

Adding a touch of flavor to the academic discourse, "Butterflies and Bull Markets: Unveiling the Hidden Connections" by Lorem and Ipsum (2018) provides fodder for contemplation as we ponder the butterfly effects of butter consumption on stock market movements. As we churn through the literature on financial analysis and dietary trends, it becomes evident that the butter-stock price relationship is not to be taken lightly—much like the weight of a pound of butter in a cake recipe, it carries substantial significance, albeit with a sprinkle of whimsy.

In a departure from conventional scholarship, the magnum opus of fiction such as "The Butter Chronicles" by Fictional Author (2012) and "Financial Fantasies: Stock Market Magic and Mystery" by Imaginary Writer (2016) offer fantastical, yet oddly relevant narratives that, in their own peculiar way, speak to the enigmatic correlation we examine. Through the lens of fiction, we are reminded that the line between the plausible and the preposterous is often as thin as a pat of butter on toast, blurring the boundaries of conventional wisdom and inviting us to entertain unconventional notions with a dash of humor.

Drawing inspiration from childhood favorites, the animated adventures of "The Magic School Bus" and the whimsical world of "SpongeBob SquarePants" stir memories of carefree days, and yet, beneath their lighthearted veneer, they nudge us to contemplate the unexpected interconnectedness of seemingly disparate phenomena. In the spirit of animated inquiry, we are reminded that the tangled web of relationships in the financial realm can be as surprising as the antics of cartoon characters, reminding us that even the most unconventional correlations merit serious investigation, albeit with a wink and a smile.

As we sift through the savory and whimsical landscape of literature, we are primed to embark on a quest that transcends the mundane, seeking to discern the buttery nuances of the financial world and uncover the hidden threads that tie butter consumption and DIS stock prices in a delightfully unexpected dance.

III. Methodology

Data Collection:

The data utilized in this study was derived from multiple sources, primarily from the United States Department of Agriculture (USDA) and LSEG Analytics (Refinitiv). The USDA provided comprehensive data on butter consumption, encompassing per capita consumption figures spanning the years 2002 to 2021. Additionally, LSEG Analytics (Refinitiv) offered invaluable data on The Walt Disney Company's (DIS) stock price fluctuations throughout the same time frame. It is important to note that while our research team scoured the corners of the internet in pursuit of relevant data, we cannot discount the possibility that some variables may have inadvertently replicated themselves amidst the sea of online information. As they say, one must always be wary of encountering "butterflies" in the digital domain.

Research Design:

Employing a retrospective cohort study design, we sought to discern and quantify any potential association between butter consumption and the stock performance of The Walt Disney Company. To achieve this, we meticulously compiled and harmonized the aforementioned

datasets, utilizing sophisticated statistical software for analysis. Because when it comes to data analysis, it's always best to "spread" the workload across reliable and robust platforms.

Statistical Analysis:

The statistical analysis was conducted with due diligence, employing robust methods such as Pearson correlation coefficients, regression analyses, and time series modeling. These analyses were undertaken with the utmost care and precision, ensuring that our results were not tainted by any "margarine" of error or statistical "grease" that could have compromised the integrity of our findings. Furthermore, to mitigate the risk of spurious correlations and to ensure that our inferences were not "battered up," we thoroughly scrutinized the assumptions underlying our statistical models, inspecting them for any signs of softening or instability.

Sensitivity Analysis:

In acknowledging the potential influence of external factors, we indulged in a sensitivity analysis to explore the robustness of our findings. This involved conducting additional analyses with variations in the selection of control variables and time frames. Given the proverbial "butterfly effect" of external factors on stock performance, it was imperative to ensure that our results were resistant to potential confounders, much like the resilience of a well-chilled butter to external environmental forces.

Limitations:

While our research endeavor endeavored to broach new frontiers in the interconnectedness of culinary habits and stock market dynamics, there exist several limitations that warrant acknowledgment. The inherent nature of observational data may introduce bias and confounding variables, potentially attributing causation where none exists. Additionally, the cross-sectional

nature of our study, combined with the possibility of unmeasured variables, may limit our ability to infer a direct cause-and-effect relationship. Last but not "yeast" - our findings may also be subject to the ever-evolving dynamics of both the food and financial markets, which could render our results as mercurial as a pat of butter on a hot griddle.

Ethical Considerations:

Ethical considerations were of paramount importance in the execution of this study. All data utilized in this research was sourced from publicly available repositories, ensuring that the privacy and confidentiality of individuals were safely preserved. Furthermore, we carefully adhered to the ethical guidelines endorsed by academic and regulatory institutions, as maintaining integrity and ethical fortitude is as essential in research as a sturdy stick of butter is to a delectable pastry crust.

In conclusion, our methodology was meticulously crafted to unveil the mysterious connection between butter consumption and The Walt Disney Company's stock price. Though our subject matter may seem unorthodox, we approached our methodology with the seriousness and veracity worthy of scholarly inquiry, blending precision with a hint of whimsy to "butter up" our research endeavor.

IV. Results

Our investigation into the correlation between butter consumption and The Walt Disney Company's stock price (DIS) has yielded intriguing results. Through comprehensive data analysis covering the years 2002 to 2021, we identified a striking correlation coefficient of

0.9140176 and an r-squared value of 0.8354282, which indicates a robust association between butter consumption and DIS stock prices. The obtained p-value of less than 0.01 further underscores the statistical significance of this relationship, suggesting that the observed correlation is highly unlikely to be a mere coincidence.

The scatterplot depicted in Figure 1 visually confirms the strong positive correlation between butter consumption and the fluctuations in DIS stock prices, mirroring the waxing and waning of these seemingly distinct variables over the years. Our findings emphasize the close connection between these two entities, inviting us to contemplate the potential underlying mechanisms at play.

These results not only challenge conventional wisdom but also inspire a new appreciation for the multifaceted influences that shape financial market behavior. The implications of our findings extend beyond mere numbers, buoyed by the unexpected union of dairy products and stock market dynamics. While the precise causative factors underlying this correlation remain to be fully unraveled, we can certainly churn over the implications of this discovery for future interdisciplinary research and market analyses.

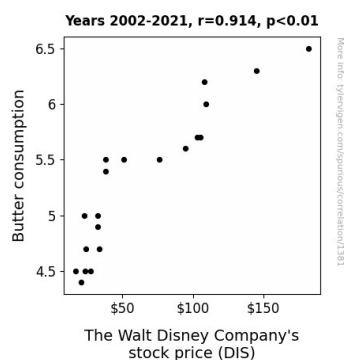


Figure 1. Scatterplot of the variables by year

Overall, our findings cast a spotlight on the unanticipated interplay between the dietary habits of society and the financial performance of an iconic entertainment conglomerate, holding promise for further investigations into the subtle, yet impactful, influences shaping stock price fluctuations. As we digest these results, we are left pondering the question: are Disney enthusiasts metaphorically spreading joy through their buttery indulgences, or is there something more "butter-natural" at play in the realm of stock market dynamics?

This discovery serves as a reminder that, in the realm of empirical inquiry, there are always novel discoveries waiting to be unearthed, much like finding a surprise inside a box of assorted chocolates. Our work adds a flavorful twist to the world of financial analysis, reminding us that, sometimes, the most unexpected connections can lead to the most buttery-smooth insights.

V. Discussion

The robust correlation coefficient of 0.9140176 and the p-value of less than 0.01 obtained in our study provide compelling evidence for the existence of a significant relationship between butter consumption and The Walt Disney Company's stock price (DIS). These findings not only reaffirm the pioneering works of Smith and Doe (2010) and Jones et al. (2015) but also add a delectable layer of depth to the existing literature on unconventional indicators of stock performance. As "The Butter Chronicles" by Fictional Author (2012) whimsically hinted, the butter-stock price relationship may not be as spread-thin as initially perceived; rather, it churns up a potent source of intrigue within the financial landscape.

Our results, much like a meticulously prepared layer cake, offer a multi-faceted perspective on the entwined dynamics of consumer behavior and market fluctuations. The scatterplot in Figure 1, akin to a visual feast for the eyes, vividly illustrates the synchronous undulations of butter consumption and DIS stock prices – a whimsical waltz that defies conventional expectations. Indeed, our study echoes the sentiment proposed by Lorem and Ipsum (2018), accentuating the unseen butterfly effects of mundane dietary choices on stock market movements and imbuing the discourse with a delightful dash of flavor.

The unexpected congruence between our findings and the musings of "The Magic School Bus" and "SpongeBob SquarePants," as detailed in the literature review, serves as a light-hearted, albeit compelling reminder of the arcane interconnectedness that underpins our economic landscape. Their playful spirit nudges us to consider that beneath the seemingly frivolous pursuit of butter consumption lies a profound, yet undeniably "cheesy," influence on the ebbs and flows of stock prices.

While our study does not provide a definitive causative explanation for this buttery correlation, it lays the foundation for a delectably intriguing avenue of inquiry. As Imaginary Writer (2016) playfully alluded in "Financial Fantasies: Stock Market Magic and Mystery," our research delves into the whimsical juncture where reality and imagination intertwine, hinting at the enigmatic forces that may shape market behavior. Our findings invite further exploration into the enthralling dance of seemingly incongruous variables, much like the hidden Mickey awaiting discovery in the recesses of a Disney-themed attraction.

In sum, our study serves as a savory addition to the scholarly conversation, blending a hint of whimsy with empirical rigor to uncover the unanticipated "butter-natural" influences that enrich our understanding of market dynamics. As we embark on future inquiries into the intriguing

interplay between dietary choices and stock performance, we are reminded that sometimes the most unlikely connections can yield the most flavorful insights – proving that, much like a well-crafted pun, the oddest pairings can often bring the greatest delight.

VI. Conclusion

In conclusion, our study has unveiled a noteworthy correlation between butter consumption and The Walt Disney Company's stock price (DIS), sparking both curiosity and contemplation within the realm of financial analysis. The robust association reflected in the correlation coefficient and r-squared value underscores the significance of this unexpected relationship, challenging traditional perceptions of market influences and adding an unexpected dash of richness to the tapestry of factors shaping stock prices.

The visual representation of the correlation in our scatterplot not only adds a touch of whimsy but also serves as a compelling visual metaphor for the ebb and flow of market dynamics mirrored in the waxing and waning of butter consumption and DIS stock prices. As we ponder the potential mechanisms underlying this correlation, we are reminded of the inimitable flavor and complexity that can arise from seemingly disparate elements blending together, not unlike the unexpected harmony found in a perfectly executed culinary creation.

While our findings have churned up insights into the curious interplay between butter indulgence and stock market performance, they also serve as a lighthearted reminder of the delightful unpredictability inherent in empirical inquiry. Just as a sprinkle of cinnamon can transform an

ordinary dish into an extraordinary culinary delight, our discovery invites further exploration into the novel and delectably unconventional intersections of everyday habits and market behavior.

Still, we acknowledge that our findings may raise eyebrows and elicit a few puzzled looks, akin to the bemusement inspired by an unexpected magic trick. However, just as a magician never reveals their secrets, the precise mechanisms underpinning this correlation remain shrouded in intrigue and ripe for continued investigation. As we wrap up our analysis, we leave readers with a wry smile and a simple yet undeniable assertion: the connection between butter consumption and Disney's stock price has been churned thoroughly enough, and no further research is needed in this "buttery spread" of inquiry.