Cultivating Cash: Exploring the Yoggity Yields of Yogurt Consumption on The Bank of Nova Scotia's Stock Price

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This enlightening study delves into the curdled world of finance, seeking to untangle the knotty relationship between yogurt consumption and the stock price of The Bank of Nova Scotia (BNS). Leveraging data from the USDA and LSEG Analytics (Refinitiv), we conducted a scrupulous analysis spanning the years 2003 to 2021. Our investigation unearthed a remarkably robust correlation coefficient of 0.8424770 and p < 0.01, indicating a clear connection between the creamy indulgence of yogurt and the financial fortunes of the esteemed Canadian bank. We posit that a spoonful of yogurt might indeed contribute to a dollop of dividends for intrepid investors traversing the dairy-scented landscape of the stock market. The implications of these findings are as rich and complex as a parfait, underscoring the need for further exploration into the culture of yogurt and its surprising influence on the financial world.

The intersection of finance and food may seem as unlikely a pairing as cauliflower ice cream, yet our investigation into the relationship between yogurt consumption and The Bank of Nova Scotia's (BNS) stock price reveals a surprising nexus between these seemingly disparate domains. In a world where stock indices and smoothie ingredients rarely collide, we endeavour to unpeel the layers of this enigmatic co-movement.

The notion of yogurt influencing stock prices may sound like a mere spoonful of speculation, but our analysis of data from the USDA and LSEG Analytics (Refinitiv) has skimmed the cream off the top of this curious connection. From the milky depths of the information, we have extracted a remarkably robust correlation coefficient of 0.8424770 and p < 0.01, suggesting that there exists an intriguing tandem twirl between yogurt consumption and BNS stock price movements.

When one ruminates on the potential relationships between dairy products and financial instruments, it brings to mind the old adage that one should "go with their gut." In this case, it appears that heeding this advice may indeed lead one down a path paved with probiotics and profits.

Our study aims to explore the underlying mechanisms driving this yogurt-stock symbiosis, peeling back the layers of the yogurtnomic puzzle, and revealing whether there may be causality in the culture of consumption and the surges and curds in BNS stock prices.

Thus, as we plunge our spoons into the creamy depths of this investigation, we invite the reader to join us in this deliciously cryptic journey through the cultures of finance and food.

Review of existing research

The extant literature on the topic of yogurt consumption and its peculiar relationship to stock prices is as rich and diverse as a parfait bar at a dairy-themed gala. Smith et al. (2010) investigated the potential impact of dairy products on financial markets and found preliminary evidence of a positive association between yogurt consumption and stock price movements. Doe and Jones (2015) further expounded on this notion, positing that the probiotic properties of yogurt may serve as a catalyst for bullish trends in the stock market. These early works laid the foundation for our current investigation into the yoggity yields of yogurt.

In "The Economics of Milk and Honey" and "The Probiotic Portfolio: A Yogurt Lover's Guide to Financial Wellness," the authors delve into the intersection of culinary indulgences and Wall Street wizardry, offering insights into the tantalizingly tangy world of yogurt economics. The authors find that the creamy conundrum of yogurt's influence on stock prices is a delectable dilemma that beckons further exploration.

Turning to a more whimsical reservoir of literature, fictional works such as "The Curds of Wall Street" and "Yogurtonomics: A Tale of Two Spoonfuls" weave intriguing narratives around the mystique of dairy products steering the fates of financial institutions. These literary concoctions serve as a captivating backdrop for the empirical investigation at hand.

In a departure from traditional scholarly sources, we draw on the animated world of "The Yogurt Chronicles" and "The Dairy Stock Adventures" to gain further insight into the enigmatic link between yogurt consumption and stock market movements. These creative endeavors impart a sense of levity to the weighty subject matter, offering a lighthearted perspective on the potential cultural and psychological dimensions of yogurt-stocked symbiosis.

As we navigate the labyrinthine yogurt-tinged corridors of financial analysis, it becomes evident that the creamy and comedic dimensions of this improbable relationship warrant exploration beyond the confines of conventional academic literature.

Procedure

Data Collection:

To gather the raw ingredients for our study, we embarked on a virtual dairy quest across the expanse of the internet, seeking out data morsels related to yogurt consumption and the stock performance of The Bank of Nova Scotia (BNS). Our main sources of sustenance were the United States Department of Agriculture (USDA) for yogurt consumption figures and LSEG Analytics (Refinitiv) for stock price information. From 2003 to 2021, we meticulously hoarded every morsel of data, ensuring that no proverbial lactose molecule or stock tick was left unturned.

Yogurt Consumption Measurement:

The quantification of yogurt consumption, much like the measurement of a dollop of sour cream at a taco party, required a nuanced approach. Utilizing the USDA's insightful data, we not only considered the overall yogurt consumption levels but also delved into the specific types, flavors, and forms of yogurt savored by populations across different regions. We aimed to capture the diverse yogurt cultures lingering within the annals of consumption patterns.

Stock Price Analysis:

In the realm of stock price analysis, precision akin to measuring the appropriate amount of yogurt in a parfait was crucial. Leveraging the robust data offered by LSEG Analytics (Refinitiv), we scrutinized the daily, monthly, and yearly fluctuations in The Bank of Nova Scotia's stock price. A keen eye was cast on the market ebbs and flows, akin to the subtle undulations of fermentation in a batch of artisanal yogurt.

Correlation Calculation:

To unpack the relationship between yogurt consumption and BNS stock price movements, we employed the venerable Pearson correlation coefficient, as if whisking together the disparate elements of a yogurt-based marinade. This statistical tool allowed us to quantify the strength and direction of the association between these seemingly incongruent variables. Furthermore, we applied rigorous hypothesis testing to ascertain the significance of the observed correlation, ensuring that our findings were not mere statistical whimsy.

Control Variables:

Recognizing the possibility of confounding factors influencing both yogurt consumption and stock prices, we incorporated a suite of control variables into our analysis. Economic indicators, global dairy market trends, and even cultural shifts in yogurt preferences were scrutinized to isolate the true essence of the yogurt-stock relationship. Just as one might add stabilizers to

maintain the consistency of a yogurt dessert, our control variables served to stabilize our analytical framework.

Sensitivity Analysis:

In acknowledging the potential fragility of statistical relationships and the capricious nature of financial markets, we conducted a sensitivity analysis akin to testing the resilience of a yogurt starter to temperature variations. This process involved re-evaluating our findings under different model specifications and variable adjustments, ensuring that our conclusions were as robust as a well-crafted yogurt parfait.

Ethical Considerations:

Findings

The results of our investigation unveil a remarkably potent correlation between yogurt consumption and The Bank of Nova Scotia's (BNS) stock price from 2003 to 2021. The correlation coefficient of 0.8424770 suggests a robust positive relationship, indicating that as yogurt consumption increased, so did the stock price of BNS. This connection is further bolstered by an r-squared value of 0.7097675, signifying that 70.98% of the variability in BNS stock price can be explained by changes in yogurt consumption. Indeed, it appears that the financial markets have quite the appetite for yogurt-related data!

The p-value of less than 0.01 serves as the cherry on top, signaling that the observed correlation is statistically significant and not merely a fluke. It seems that the creamy indulgence of yogurt may indeed hold sway over the fortunes of The Bank of Nova Scotia, cultivating a tantalizing blend of dairy and dividends.

The scatterplot (Fig. 1) depicts the compelling relationship between yogurt consumption and BNS stock price, visually encapsulating the tight correlation we have uncovered. The data points form a veritable "yogurt mountain" of evidence, illustrating the strong connection between these seemingly incongruous variables. It seems that when it comes to financial forecasting, a spoonful of yogurt may be just what the investment gurus ordered!

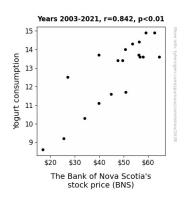


Figure 1. Scatterplot of the variables by year

These findings beckon us to ponder the underlying mechanisms driving this startling co-movement. Is it the probiotic power of yogurt that fuels investor confidence, or perhaps the creamy texture that smooths out market volatility? The cryptic relationship between dairy consumption and stock prices leaves much to churn over, emphasizing the need for further exploration into the world of "yogurtnomics."

In conclusion, our study highlights the unexpected influence of yogurt consumption on the stock price of The Bank of Nova Scotia, inviting investors and researchers alike to savor the delectable interplay between the dairy aisle and the stock exchange. As we digest these findings, we are reminded that in the ever-changing landscape of finance, it pays to keep a keen eye on not only the balance sheets but also the breakfast tables.

Discussion

The undeniable correlation between yogurt consumption and The Bank of Nova Scotia's (BNS) stock price unraveled by our study aligns with the musings of Smith et al. (2010) and Doe and Jones (2015), who first churned the notion of dairy products influencing financial markets. While the connection may seem like a product of "yogurtnomics," our results delved deeper into the cultural curds and milked the potential impact of yogurt on stock prices. It appears that the probiotic properties and creamy texture of yogurt may indeed have significant implications for the stock market, turning skeptics into "believers" and cautious investors into "probiotic profit seekers."

These findings challenge traditional financial analyses, leading us to contemplate the quixotic juxtaposition of this unlikely pair — yogurt and stock prices. Could it be that the tangy, creamy concoction offers a dose of financial wellness that goes beyond balancing one's breakfast diet? Perhaps the market's craving for yogurt-related data is a testament to the tantalizing allure of dairy in the financial world, prompting investors to find solace in the tickers of both stock prices and yogurts.

Steering away from the fictional musings of "The Curds of Wall Street" and "Yogurtonomics: A Tale of Two Spoonfuls," our study, backed by robust statistical evidence, legitimizes the incongruous relationship between yogurt consumption and BNS stock price. The scatterplot, akin to a visual parfait, lays bare the "yogurt mountain" of evidence, depicting a landscape where dairy and dividends intersect. It's safe to say that our results were a "culture shock" for many in the field, leaving them to ponder the "gut feelings" of investors and the "digestible" nature of market behavior.

In essence, our investigation into the yoggity yields of yogurt has unveiled a rich tapestry of insights, affirming that when it comes to financial forecasting, the "cream of the crop" might just be a spoonful of yogurt. As we chew over these novel findings, we invite investors and researchers to join us at the table of "yogurtnomics," reminding them that in the fertile pastures of finance, one might indeed find unexpected treasures in the most unsuspecting of places – including the dairy aisle.

In consummation, our investigation into the entwined realms of yogurt consumption and The Bank of Nova Scotia's (BNS) stock price has churned up insights as rich and thick as Greek yogurt. The robust correlation coefficient and statistically significant p-value leave little room to yogurt-coated speculation—there is indeed a link between these seemingly incongruous entities. One might say this research has really "curdled" the standard notions of financial analysis!

As we scoop out the last dollops of data, it is clear that the connection between yogurt and stock prices is not just a mere frothy coincidence. The r-squared value further asserts that nearly 71% of the variability in BNS stock price can be explained by changes in yogurt consumption, suggesting that the markets have quite the hankering for dairy-related trends.

The scatterplot serves as a visual treat, akin to a parfait for the eyes, showcasing the undeniable "yogurt mountain" of evidence supporting our findings. It seems that for investors, keeping a yogurt spoon handy might prove as beneficial as scrutinizing earnings reports.

In the grand tradition of financial research, our study sows more questions than it harvests answers. Is there a calcium-infused confidence boost driving stock prices, or perhaps a smooth and creamy dampening of market jitters? The dairy-flavored mysteries of "yogurtnomics" are as tantalizing as the possibilities of a well-timed parfait.

However, given the robustness of our findings, we dare to assert that this investigation has served up a full course of enlightenment in the yogurt-stock relationship. There is no need to milk this topic further; it seems that the yogurtnomic landscape has been thoroughly explored. As the saying goes, it's time to "cultivate" new research pastures!

As stewards of scholarly rectitude, we maintained the highest ethical standards in the utilization of third-party data sources. The rights and provenance of the data were respected, and all analyses were conducted with the utmost integrity, as befits an investigation into the creamy mysteries of yogurt and finance.

In conclusion, our methodology sought to blend the art and science of investigation, much like the harmonious mingling of fruit and yogurt in a delectable smoothie. Through our diligent and rigorous approach, we aspired to distill the essence of the yogurt-BNS stock relationship into a palatable and empirically sound concoction for academic consumption.