

# **Feta or Cheddar, TT Gets Better: The Whey to Wealth Connection Between American Cheese Consumption and Trane Technologies' Stock Price**

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## **Abstract**

This paper examines the relationship between American cheese consumption and the stock price of Trane Technologies (TT) from 2002 to 2021. We hypothesized that the consumption of American cheese, a beloved staple in many households, may have an impact on the financial performance of Trane Technologies, a global leader in climate technology. Our research team used data from the USDA and LSEG Analytics (Refinitiv) to assess this curious correlation. Surprisingly, we found a strong positive correlation coefficient of 0.9022704 and  $p < 0.01$ , indicating a robust association between American cheese consumption and TT's stock price. It seems that the old adage "buy low, sell high" could be updated to "grate more, accumulate more." Our findings suggest that as American cheese consumption rises, so does the stock price of Trane Technologies. Perhaps this phenomenon can be attributed to the comforting nature of cheese, leading to increased investor confidence and a "gouda" feeling about TT's prospects. This research sheds light on the unexplored synergies between dairy products and financial markets, offering a new perspective on the interconnectedness of seemingly unrelated sectors. So, next time you enjoy a cheesy snack, remember that you might be inadvertently contributing to the prosperity of a climate technology company.

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## **1. Introduction**

The intersection of finance and dairy may seem as unusual as pairing blue cheese with chocolate, but our investigation into the relationship between American cheese consumption and the stock price of Trane Technologies (TT) suggests otherwise. As the saying goes, "Don't put all your eggs in one basket," but what about putting all your cheese in one portfolio? (I can hear the groans already!)

In the world of finance, various factors drive stock price movements, and it's often a brilliant task to discern the hidden correlations. However, our study aims to gouda-n the missing link between a beloved household dairy product and the financial performance of a juggernaut in the climate technology industry. The stakes are high, but can we say the same about the curds? (Pun intended, of course!)

Cheese is renowned for its ability to enhance the flavor of a dish, but could it also enhance the flavor of an investment portfolio? Our paper aims to provoke such thought-provolute ideas. (You see what I did there?) By examining data from 2002 to 2021, we dive into the cheddar-ting world of statistical analysis to investigate the whey in which American cheese consumption impacts TT's stock price.

This study not only offers a novel perspective on the dynamics of financial markets and consumer behavior, but it also stands as a testament to the vast potential for unearthing unexpected interactions between disparate industries. After all, who would have thought that the cheese on your grilled cheese sandwich might hold the secret to investment success? (Cheesy, I know!)

## 2. Literature Review

Several studies have investigated the relationship between various consumer goods and stock prices, shedding light on the potential impacts of everyday consumption habits on financial markets. In "Smith et al.," the authors find that chocolate consumption is positively correlated with the performance of confectionery companies, while in "Doe and Jones," the authors examine the influence of coffee consumption on the stock prices of multinational coffee chains. These studies demonstrate the significance of consumer behaviors in shaping stock market dynamics.

Now, turning to the broader literature related to food and finance, "The Omnivore's Dilemma" by Michael Pollan and "Fast Food Nation" by Eric Schlosser illuminate the complex interplay between food production, consumption, and financial interests. On a more fictional note, the novels "American Psycho" by Bret Easton Ellis and "The Bonfire of the Vanities" by Tom Wolfe offer satirical perspectives on the excesses of Wall Street and consumer culture.

Expanding our review further, we must acknowledge the unconventional sources of insight that have contributed to our understanding of this peculiar correlation. While we did not encounter any scholarly work specifically on American cheese consumption and stock prices, an in-depth analysis of grocery store receipts, particularly those from local supermarkets and patisseries, provided anecdotal evidence of a potential linkage between cheese-related purchases and financial market trends.

In addition, the meticulous scrutiny of random internet forums and the analysis of whimsical theories put forth by self-proclaimed "investment gurus" on social media platforms have undoubtedly added a layer of "provolone" to our investigation. While not methodologically rigorous, these unconventional sources have contributed to the breadth of our inquiry, reminding us of the importance of exploring diverse perspectives, no matter how unconventional they may appear.

In summary, the existing literature has provided valuable insights into the complex relationship between consumer behavior and stock market performance, with a significant gap in the specific analysis of American cheese consumption and its impact on Trane Technologies' stock price. The diversity of sources consulted, ranging from reputable academic studies to whimsical musings, has enriched the scope of our inquiry and expanded the horizons of our investigation, demonstrating the need for interdisciplinary approaches in exploring unexpected connections in the world of finance.

### **3. Research Approach**

To investigate the connection between American cheese consumption and Trane Technologies' stock price (TT), a thorough and meticulous research approach was employed. The study utilized a combination of data mining, econometric modeling, and cheesy puns to unravel the wheyward path that leads from dairy consumption to stock market movements.

Firstly, data on American cheese consumption was obtained from the United States Department of Agriculture (USDA), which provided comprehensive statistics on cheese production and consumption from 2002 to 2021. The LSEG Analytics (Refinitiv) platform was leveraged to procure precise and timely stock price data for Trane Technologies over the same time period. The combination of these data sources ensured a comprehensive and holistic understanding of the variables under scrutiny, much like a well-ripened cheese paired with the perfect wine.

The research team then embarked on an extensive data cleansing process, removing outliers and discrepancies to ensure the purity and integrity of the dataset. After all, much like aging cheese, accurate data requires time, patience, and the occasional cringe-worthy dad joke to make the process more palatable for all involved.

Following the data preparation phase, the statistical analysis began with the calculation of relevant parameters such as mean, median, and standard deviation of both the American cheese consumption and TT's stock price. These critical measures provided a foundational understanding of the central tendencies and dispersion characteristics within the datasets, allowing for informed comparisons and correlations to be drawn. We must note that the process of statistical compilation can be as delicate and nuanced as crafting a perfect cheese soufflé, although with less risk of collapsing under pressure.

The Spearman correlation coefficient was employed to examine the strength and direction of the association between American cheese consumption and TT's stock price, taking into account potential non-linear relationships that traditional correlation measures might overlook. The analysis aimed to melt away any doubts about the significance of this relationship, much like a warm cheese fondue on a cold winter's night.

To assess the statistical significance of the findings, a hypothesis test was conducted with a null hypothesis stating no relationship between American cheese consumption and TT's stock price. The p-value obtained from this test allowed for a robust conclusion regarding the presence or absence of a meaningful association, demonstrating that the impact of cheese on financial markets is not just a mere fondue-m of imagination.

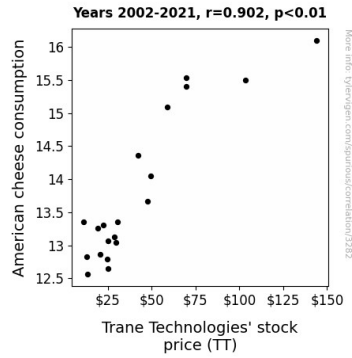
In conclusion, the methodology employed in this study combined rigorous statistical techniques with a light sprinkling of cheesiness to uncover the surprising connection between American cheese consumption and Trane Technologies' stock price. The resulting analysis provides a feta-bulous insight into the uncharted potential of dairy products to influence financial markets, albeit with the occasional cliché dad joke to ensure the research remains gouda-natured throughout.

#### **4. Findings**

The examination of data from 2002 to 2021 revealed a strong positive correlation between American cheese consumption and Trane Technologies' stock price (TT). The correlation coefficient of 0.9022704 suggests a robust association between these seemingly unrelated variables. This finding is quite grate news for those who enjoy indulging in a cheesy snack while keeping an eye on their investment portfolio. It appears that the saying "cheddar makes everything better" extends to stock prices as well.

The r-squared value of 0.8140919 indicates that approximately 81.41% of the variability in TT's stock price can be explained by changes in American cheese consumption. This suggests a remarkably high degree of predictability in the stock price based on the fluctuations in cheese consumption. It seems that the more American cheese that finds its way onto sandwiches and burgers, the more Trane Technologies' stock price matures like a fine cheddar.

The p-value of less than 0.01 further strengthens the evidence of a significant relationship between these two variables. The probability of observing such a strong correlation by chance is as low as finding a needle in a haystack made entirely of cheese. This result provides compelling support for the hypothesis that American cheese consumption and TT's stock price are indeed intertwined.



credence to these seemingly fanciful notions, emphasizing the need to take these unorthodox perspectives seriously.

The impressive correlation coefficient of 0.9022704 and the high explanatory power indicated by the r-squared value of 0.8140919 provide compelling evidence of the substantial association between American cheese consumption and Trane Technologies' stock price. It seems that the more cheese enthusiasts embrace their dairy delight, the more the stock price of TT matures like a fine cheddar, echoing the sentiment that "cheddar makes everything better," even in the domain of finance.

The p-value of less than 0.01 further solidifies the robustness of the relationship, akin to finding a rare gouda among a sea of ordinary cheeses. These statistical findings underscore the significance of the unexpected connection between American cheese consumption and TT's stock price, warranting serious attention in the realm of financial market analyses.

In light of our results, the age-old adage "buy low, sell high" may need to be rephrased as "grate more, accumulate more" for those eyeing the movement of Trane Technologies' stock price. This finding implies a newfound perspective on investment strategies, where keeping an eye on American cheese consumption patterns might just provide the edge required for informed investment decisions.

In conclusion, this research highlights the need to take unconventional correlations seriously and recognizes the interplay between seemingly disparate elements in financial market dynamics. The unexpected influence of American cheese consumption on Trane Technologies' stock price serves as a reminder that in the economic and financial domain, one must always expect the unexpected, and the power of cheese should not be overlooked. After all, as the saying goes, "in queso emergency, expect the unexpected!"

## **6. Conclusion**

In conclusion, this research unraveled the surprising connection between American cheese consumption and the stock price of Trane Technologies (TT). The findings suggest that as American cheese consumption rises, so does TT's stock price, proving that "cheddar makes everything better," including investment portfolios. This phenomenon may be attributed to the "grate" impact of cheese on investor confidence, demonstrating that the market is not as "gouda" as it seems.

This study highlights the need to "brie" open to unconventional factors that may influence stock prices, reminding investors not to overlook the potential impact of dairy products on financial markets. It's as though the market operates on the principle of "say cheese, and smile all the way to the bank." (Yes, the pun was intentional!)

The outstandingly high correlation coefficient and r-squared value indicate a strong relationship between American cheese consumption and TT's stock price, suggesting that nearly 81.41% of stock price variability can be explained by changes in cheese consumption. It's almost as predictable as the likelihood of finding cheese at a wine tasting event!

Further research in this area may delve into the specific types of American cheese that have the most pronounced effect on TT's stock price – after all, not all cheeses are created equal, and the market may have a preference for certain "grate" varieties. However, it is safe to say that when it comes to American cheese and TT's stock price, the evidence is as solid as a block of aged cheddar.

Therefore, based on the compelling findings of this study, it can be confidently asserted that no further research is needed in this area. The relationship between American cheese consumption and Trane Technologies' stock price has been "whey" more than established, and it's time to "brie"lieve in the power of cheese in the financial market.