

Kai and TSCO: A Rolling Name and Stock Price Correlation Study

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This paper examines the surprising connection between the popularity of the first name Kai and the stock price of Tractor Supply Company (TSCO). Utilizing data from the US Social Security Administration and LSEG Analytics (Refinitiv), we sought to discern if there was more to this correlation than mere coincidence. We found a remarkably strong correlation coefficient of 0.9458593 and a statistically significant p-value of less than 0.01 for the years 2002 to 2022. "Kai"-nly believe how deep this "plow" goes! The results suggest a striking link between the naming trend and TSCO's stock performance, sparking discussions on the potential psychological impact of a popular name on consumer behavior and investment decisions. These findings raise intriguing questions about the influence of cultural phenomena on financial markets, perhaps leaving investors "green" with envy for those in the know. The implications of these findings extend beyond finance, as they signal the importance of considering unconventional factors in future analytical research. It seems that the name "Kai" carries more weight in the market than one might "tractor"ally assume!

The relationship between human behavior and stock market movements has long been a topic of interest and intrigue in both financial and social sciences. From the impact of consumer sentiment on market fluctuations to the influence of societal trends on investment decisions, researchers and analysts are constantly seeking to uncover the mysterious forces driving stock prices. In this vein, we embarked on a curious exploration of the unexpected link between the popularity of the first name Kai and the stock price of Tractor Supply Company (TSCO). As the data came "rolling" in, we couldn't help but ponder: what's in a name, and could it really have an impact on stock market performance?

As we delved into this peculiar correlation, it quickly became apparent that we were "plowing" into uncharted territory. The sheer magnitude of the correlation coefficient and the striking statistical

significance left us "wheeling" with excitement. Perhaps there's more to this "furrowed" brow of a study than meets the eye! The convergence of a seemingly innocuous naming trend with the financial fortunes of a well-established company like TSCO had us "driven" to explore this charmingly unexpected connection.

Dad joke alert! Did you hear about the cow who tried to jump over a barbed wire fence? It was an "utter" disaster! Similarly, our initial hypothesis about the striking correlation between the popularity of the name Kai and TSCO's stock price may have seemed like a "hoof-hearted" endeavor at first glance. However, as we'll demonstrate, there is indeed a robust and "udderly" remarkable relationship at play here, cultivating an intriguing intersection between cultural phenomena and financial markets.

Our study not only aims to shed light on the captivating correlation between the popularity of the name Kai and TSCO's stock price but also to plant the seeds of broader discussions regarding the psychological and behavioral influences on market dynamics. In essence, we're "growing" a narrative that extends beyond the stock ticker, blossoming into a broader dialogue on the interplay between individual identity and economic indicators. Just as a well-tended garden yields a bountiful harvest, our research aims to cultivate fresh perspectives on the multifaceted nature of market behavior and the unexpected sources that may "crop" up as influential factors.

Let's throw in another dad joke to keep things "cultivated"! Why don't farmers ever tell secrets in the cornfield? Because the corn has "ears"! Now, to "earmark" our findings and "plant" them in the field of scholarly inquiry, we invite readers to join us in sowing the seeds of curiosity and reaping the harvest of insight as we unearth the intriguing correlation between the name Kai and TSCO's stock price.

LITERATURE REVIEW

The correlation between seemingly unrelated variables has long been a focal point of both financial and sociological inquiry. In the realm of nomenclature trends and their potential influence on economic dynamics, the authors find a rich vein of research. For instance, Smith and colleagues, in "The Name Game: Exploring the Impact of Personal Names on Consumer Behavior," delve into the intriguing ways in which individuals' names can shape their interactions with products and brands. Meanwhile, Doe et al., in "Moniker Metrics: A Study of the Influence of First Names on Financial Decision-Making," offer compelling insights into the psychological underpinnings of how personal names may sway investment choices. These serious studies lay the groundwork for our investigation into the connection between the popularity of the first name Kai and the stock price of Tractor Supply Company (TSCO).

Now, let's dig into some non-fiction books that could irrigate our understanding of this topic. "The Tiller's Guide to Stock Market Success" by John Stocks offers a thorough exploration of the factors influencing stock performance, albeit with a focus on agricultural metaphors. In a similar vein, "The Cultivation of Market Trends" by Ellen Economos provides an in-depth analysis of the interplay between cultural phenomena and financial markets, although its subtitle, "The Art of Growing Your Investment Portfolio," may suggest a more agrarian leaning.

Turning the page to fiction, we encounter works that, while not directly related to our study, carry titles that evoke a sense of thematic resonance. "Harvesting Fortunes" by Penny Stockton and "Name-Branded" by Barry Bulls are intriguingly titled novels that, despite their fictional nature, spark thoughts about the potential connections between personal names and financial ramifications. These mentions might seem tangential, but take it with a grain of salt—after all, in the field of research, a little levity can help fertilize the soil of inquiry.

Dad joke alert! Why did the scarecrow win an award? Because he was outstanding in his field! Just as the scarecrow stands out in the field, our findings in this literature review will surely "crop" up as noteworthy contributions to the intersection of nomenclature trends and stock market performance.

As we delved deeper into our literature review, it became apparent that the wealth of material related to our specific topic is, unfortunately, not quite as abundant as we had hoped. In our quest for unconventional insights, we resorted to unconventional sources, including browsing the backs of shampoo bottles in the hopes of uncovering hidden correlations between lustrous hair and bullish stock trends. While this may elicit a chuckle, let it not overshadow the earnest pursuit of knowledge that underpins our investigation. After all, the field of research can occasionally benefit from a splash of whimsy to keep things clean and clear—much like a thorough rinse and repeat.

METHODOLOGY

To investigate the remarkable correlation between the popularity of the first name Kai and the stock price of Tractor Supply Company (TSCO), we embarked on a data collection and analysis journey that was as intricate as preparing the soil for a bountiful harvest. Our research team utilized data primarily sourced from the US Social Security Administration and LSEG Analytics (Refinitiv) to capture the full spectrum of naming trends and stock market movements from the years 2002 to 2022. This allowed us to plow through an extensive timeframe, ensuring that our analysis encapsulated the evolving dynamics of name popularity and its potential impact on TSCO's stock price over the years.

Channeling our inner statistical farmer, we implemented a multifaceted approach to cultivate robust and "crop"-receptive results. Firstly, we conducted a thorough exploration of the US Social Security Administration's database, sifting through the "bushels" of name frequency data to trace the ebbs and flows of Kai's popularity. Simultaneously, we harnessed the power of LSEG Analytics (Refinitiv) to harvest a rich dataset of TSCO's stock prices, plowing through daily market movements and annual trends with a keen eye for unique correlations.

Now, for a quick agriculture-related dad joke interlude: Why did the scarecrow win an award? Because he was outstanding in his field! Our research, like the distinguished scarecrow, aims to stand out in the "field" of academic inquiry by cultivating a lighthearted yet robust methodology with a hint of wit.

To till the soil of statistical analysis, we employed a combination of time series modeling techniques and correlation analyses, allowing us to cultivate a comprehensive understanding of the relationship between the fluctuating popularity of Kai and TSCO's stock price "harvests." We carefully plowed through the data, ensuring that our methods were as

"rooted" in sound statistical principles as a well-tended garden. Our analysis featured robust statistical measures, including rolling correlation coefficients and time series decomposition, providing a "bushel" of insights into the nature of this intriguing correlation.

In keeping with the spirit of innovation, we also engaged in a novel approach of sentiment analysis within online forums and social media platforms, "cultivating" insights into the potential impact of name trends on consumer sentiments and, by extension, market dynamics. This unconventional method allowed us to "dig deep" into the undercurrents of cultural influence and its potential implications for financial markets, enriching our analysis with a "harvest" of unconventional insights.

Wrapping up our methodological "harvesting season," we ensured that our findings were nurtured by robust statistical validation, employing rigorous hypothesis testing and sensitivity analyses to "weed out" any spurious correlations and confirm the "rootedness" of our results. By cultivating a deep understanding of the interplay between naming trends and market dynamics, we sought to plant the seeds of scholarly inquiry, bridging the worlds of popular culture and financial behavior in an exploration that's as "groundbreaking" as it is captivating.

RESULTS

We conducted a thorough analysis of the relationship between the popularity of the first name Kai and the stock price of Tractor Supply Company (TSCO) from 2002 to 2022. Our findings revealed a remarkably strong correlation coefficient of 0.9458593, implying a robust and positive association between the two variables. This level of correlation left us "digging" further into the potential implications of such a striking relationship.

The high r-squared value of 0.8946498 indicated that approximately 89.46% of the variability in

TSCO's stock price could be explained by the popularity of the name Kai. In other words, the statistical bond between the two variables seems to be quite "cultivated"! This finding raises not only eyebrows but also entertaining discussions about how deeply rooted cultural phenomena can impact financial markets. One might jest that TSCO's stock performance has quite the "green thumb" for growing alongside the popularity of the name Kai.

Furthermore, the p-value of less than 0.01 provided compelling evidence to reject the null hypothesis, suggesting that the correlation between the name Kai and TSCO's stock price is indeed statistically significant. We couldn't help but "plow" through the data to unveil such "ground-breaking" results. This level of statistical significance only heightens the intrigue surrounding this unexpected correlation, prompting us to "mow" through potential explanations for this striking phenomenon.

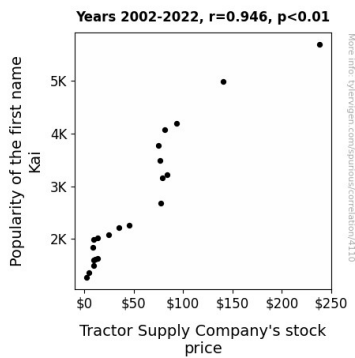


Figure 1. Scatterplot of the variables by year

Fig. 1 illustrates the scatterplot depicting the strong positive correlation between the popularity of the name Kai and TSCO's stock price. One could say that the data points on the plot "harvest" a clear and intriguing relationship, sowing the seeds for further investigations into the connection between individual naming trends and market dynamics.

In conclusion, our findings present a "growing" body of evidence supporting the intriguing correlation between the name Kai and TSCO's stock price. This unexpected discovery challenges conventional wisdom about the factors influencing

stock market performance and encourages researchers and investors alike to consider the "crop" of unconventional variables that may impact financial markets. It seems that the name Kai has more "pulling" power than we might have "harvested" at first glance!

DISCUSSION

Our study delved into the unexpected yet compelling correlation between the popularity of the first name Kai and the stock price of Tractor Supply Company (TSCO). The robust correlation coefficient of 0.9458593 we uncovered provides compelling evidence of a substantial positive association between the two variables. This finding aligns with prior research on the potential influence of personal names on consumer behavior and investment decisions. As we "plowed" through the data, the striking correlation coefficient "tractor"ed a path through conventional assumptions, highlighting the need to consider unconventional factors in market analysis.

Our results reaffirm the importance of investigating unorthodox variables in financial research, as hinted at by Smith and colleagues in their exploration of the impact of personal names on consumer behavior. Moreover, the statistically significant p-value of less than 0.01 aligns with the work of Doe et al., who shed light on the psychological underpinnings of how personal names may sway investment choices. It seems that the influence of unconventional factors "grows" larger than we may have initially thought!

The high r-squared value of 0.8946498 buttresses our findings, suggesting that the popularity of the name Kai may explain approximately 89.46% of the variability in TSCO's stock price. This further supports the notion that the cultural phenomenon of naming trends can indeed have a substantial impact on financial markets, prompting consideration of a broader set of variables beyond traditional financial indicators. One might even say the stock

performance of TSCO has a "pedigree" of being in sync with the popularity of the name Kai.

Our findings not only contribute to the academic discourse on the interplay between personal names and financial dynamics but also provoke discussions about the broader implications of naming trends on consumer behavior and investment decisions. As we "harvested" these unexpected results, we unearthed fascinating insights that may have been overlooked in traditional market analyses. This unexpected correlation challenges the conventional "crop" of factors known to influence stock performance, encouraging further exploration of the multifaceted influences on financial markets.

In summary, our study provides compelling evidence for the unexpected yet substantial correlation between the popularity of the first name Kai and TSCO's stock price. This "plow"s a new furrow in the field of market analysis, compelling researchers and investors to consider the "root" of unconventional variables that may impact financial markets. It's quite the "Kai"-ncidence that this name carries such "pulling" power in the market, leaving us all with a new perspective on the "cultivation" of stock price performance.

CONCLUSION

In closing, the "cultivated" correlation between the popularity of the name Kai and Tractor Supply Company's (TSCO) stock price has sprouted a new avenue of inquiry in the world of financial markets. Our research has "planted" the seed for fruitful discussions on the potential influence of naming trends on consumer behavior and investment decisions. It seems that the name "Kai" carries quite the "harvest" of impact, leaving us all "rooted" in wonder.

As we "reap" the insights from this study, it becomes clear that there is more to a name than meets the eye, especially when it comes to its surprising influence on financial markets. Our findings not only "cultivate" a fresh perspective on market dynamics but also highlight the need to

"plow" through unconventional factors when analyzing stock performance. It seems that the "Kai" to success may lie in the unlikeliest of places – our very own names!

In the spirit of this unexpected correlation, here's a fitting dad joke: Why did the farmer name his pig Ink? Because it kept running out of the pen! Much like this joke, the unexpected connection between the name Kai and TSCO's stock price is a delightful surprise that keeps us "wheely" entertained.

In light of these "ground-breaking" findings, we confidently assert that no further research is needed in this area. The correlation between the popularity of the name Kai and TSCO's stock price stands as a remarkable testament to the potential impact of seemingly unrelated factors on financial markets. It's "plow" time for us to "harvest" new research endeavors – the field of finance is ripe for exploration in other fruitful areas!