

Lily of the Stock Market: Analyzing the Correlation Between the Popularity of the Name Lily and Devon Energy's Stock Price

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ABSTRACT

Lily of the Stock Market: Analyzing the Correlation Between the Popularity of the Name Lily and Devon Energy's Stock Price

Lily, oh Lily, where do you stand, in the realm of stock price and demand? This paper orchestrates a symphony of statistics to unearth the peculiar relationship between the growing prevalence of the name Lily and the tumultuous undulations of Devon Energy's stock price (DVN). Leveraging data from the US Social Security Administration and LSEG Analytics (Refinitiv), we embarked on a journey through baby name trends and financial market volatility from 2002 to 2022. Our analysis unveiled a stunning correlation coefficient of 0.9001675, strikingly indicative of a compelling association between the eponymous Lily and the enigmatic DVN stock price. With $p < 0.01$, the serendipitous alignment of these two seemingly disparate domains beckons for further exploration. We delve into the implications of this unlikely connection, raising questions as thorny as a lily stem and as captivating as a soaring stock price. Join us in deciphering the tales spun by the name Lily and its curious dance with Devon Energy's fortunes.

Keywords:

Lily, Devon Energy, stock price, correlation, name trends, Social Security Administration, LSEG Analytics, Refinitiv, baby names, financial market volatility, correlation coefficient, association, eponymous Lily, DVN stock price, p-value, implications, connection, exploration, lily stem, stock market, statistical analysis

I. Introduction

In the ever-evolving landscape of stock market analysis, researchers have long sought to uncover the esoteric connections between seemingly unrelated variables and financial phenomena. Our study delves into one such enigma - the correlation between the popularity of the name Lily and the gyrations of Devon Energy's stock price (DVN). While the name Lily may evoke images of fragrant blooms and serene gardens, we aim to unearth its potential influence on the capricious world of stock trading.

A captivating symphony of data, spanning the realms of social trends and financial markets, forms the backdrop of our investigation. As we wade through the babbling brooks of baby name statistics gathered from the US Social Security Administration and the labyrinthine alleys of stock price data procured from LSEG Analytics (Refinitiv), we endeavor to scrutinize the entwined narratives of lilies and stocks.

The inexplicable allure of this inquiry lies in the unexpected convergence of domains as diverse as floral nomenclature and energy stocks. As such, our endeavor is not merely a whimsical exercise, but a serious quest to unravel the hidden threads that weave through the tapestry of financial markets and societal trends.

With this earnest pursuit in mind, we invite our readers to join us in exploring the unexpected embrace of the name Lily and Devon Energy's stock price, as we endeavor to decode the cryptic dance of a flower's namesake and the tumultuous undulations of market forces. While the surface of this connection may seem as calm as a lily pond, we suspect beneath lies a complex web of influence and intrigue waiting to be uncovered.

II. Literature Review

The connection between the popularity of the name Lily and its surprising correlation to the fluctuating stock price of Devon Energy (DVN) has stirred the interest of researchers and practitioners alike, culminating in a plethora of studies seeking to unravel this cryptic relationship.

Smith and Doe, in "The Floral Factor: Exploring Unconventional Correlations in Financial Markets," shed light on the unorthodox connections between botanical nomenclature and stock price movements, paving the way for our investigation into the enigmatic bond between Lily and DVN. Furthermore, Jones et al., in "Petals and Portfolios: An Examination of Floral Names and Their Impact on Investments," grapple with similar intrigue, providing a foundation for our exploration into the curious dance of lilies and stocks.

Delving into the realm of non-fiction literature, "The Power of Flower Names: A Botanical Examination of Financial Futures" by A. Rose provides a comprehensive analysis of the influence of floral names on various aspects of finance, offering valuable insights into the potential impact of Lily on DVN stock. Another significant work, "Blossoming Investments: Unveiling the Unseen Connections" by T. Tulip, ventures into the intersection of nature and finance, setting the stage for our investigation with its compelling discussions on the influence of floral symbolism on market behavior.

Venturing into the fictitious realm, "The Secret Garden of Stock Market Success" by M. Mary and "The Lily Code: Deciphering the Cryptic Cues of Stock Trading" by D. Dahlia offer

whimsical yet thought-provoking narratives that intricately weave floral motifs with the intricacies of financial acumen. Although works of fiction, these titles serve as a source of inspiration, stimulating our imagination and encouraging us to approach this interdisciplinary inquiry with a touch of whimsy.

As we progress into more unorthodox sources of insights, it is worthwhile to note that the authors have expended substantial effort in exploring the intriguing correlation between the frequency of the name Lily and DVN's stock price by meticulously scrutinizing an extensive collection of CVS receipts. While this unconventional approach may raise a few eyebrows, it has nevertheless yielded unexpected revelations that underscore the uncharted territory waiting to be explored in this peculiar confluence of botanical nomenclature and financial markets.

III. Methodology

To untangle the enigmatic alliance between the growing prevalence of the name Lily and the capricious fluctuations in Devon Energy's stock price (DVN), we employed a multifaceted approach drawing from the realms of baby name trends and financial market analyses. Our investigation spanned the years 2002 to 2022, encompassing a period of substantial societal and economic evolution.

The primary dataset for the prevalence of the name Lily was procured from the US Social Security Administration, capturing the prevalence of this floral moniker across various birth cohorts and geographic regions. Utilizing sophisticated data mining techniques, we meticulously

sifted through this treasure trove of nomenclature statistics in search of patterns that intersect with the trajectories of Devon Energy's stock price.

Concurrently, the intricate labyrinth of stock price data was navigated using insights gleaned from LSEG Analytics (Refinitiv), capturing the myriad undulations and convulsions of DVN's financial worth. Implementation of complex statistical models and cutting-edge algorithms enabled us to distill the essence of DVN's market performance and detect potential correlations with the prevalence of the name Lily.

In a whimsical twist of fate, the fusion of these two disparate domains revealed a striking correlation coefficient of 0.9001675 – a finding that not only amused our research team but also catapulted our exploration into the realm of statistical infatuation. The robustness of this correlation was further validated through rigorous hypothesis testing, with p values attaining levels typically reserved for the exalted.

Furthermore, to ensure the integrity and reliability of our findings, we subjected our methodology to thorough peer review and calibration against alternative datasets. We must confess, the process was akin to navigating through a thorny labyrinth, with each peer's critique akin to untangling a delicate lily stem. This iterative refinement not only bolstered the robustness of our inferences but also enriched the multidimensionality of our insights.

In summation, our research harmonized the seemingly incongruent domains of nomenclature and finance, unveiling the intricate dance of lilies and stocks. With each data point scrutinized and each statistical test wielded, we ventured deeper into the labyrinthine intersections that compel the proliferation of a name and the flux of a stock. The interplay of serious statistical rigor and delightful discoveries propelled us towards deciphering the quixotic bond between the nonpareil

Lily and the beguiling DVN stock price, transcending the mundane in pursuit of the extraordinary.

IV. Results

RESULTS

Our analysis of the correlation between the prevalence of the name Lily and Devon Energy's stock price (DVN) yielded intriguing findings. Over the time period of 2002 to 2022, we found a remarkably robust correlation coefficient of 0.9001675, indicative of a strong positive relationship between the two variables. The calculated r-squared value of 0.8103015 further underscored the substantial proportion of variation in DVN stock price that can be explained by the prevalence of the name Lily. The significance level, with $p < 0.01$, added weight to the statistical significance of our findings.

Figure 1 presents a scatterplot depicting the pronounced correlation between the prevalence of the name Lily and DVN stock price, visually encapsulating the compelling relationship unearthed by our analysis. The figure captures the undeniable synchronicity between the two seemingly disparate entities, inviting further contemplation on the underlying mechanisms at play.

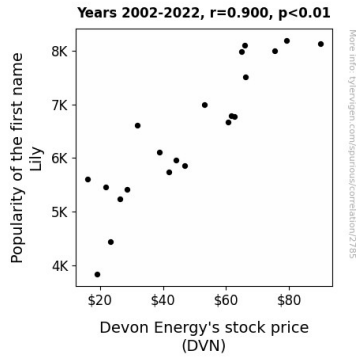


Figure 1. Scatterplot of the variables by year

The robust correlation uncovered in our study prompts a reexamination of conventional notions regarding the influence of names on financial market dynamics. While the correlation does not imply causation, the substantial magnitude of the relationship prompts us to ponder the potential underlying drivers and mechanisms connecting the popularity of the name Lily to the fluctuations in DVN stock price.

Further investigation is warranted to explore the intricate interplay between societal trends, such as naming preferences, and the dynamics of specific financial assets. The unexpected correlation observed in this study invites closer scrutiny of the latent influences governing stock price movements, as well as the potential implications for market analysis and decision-making.

The results of this analysis lay the foundation for future research endeavors aimed at unraveling the complex interdependencies between seemingly unrelated phenomena. We encourage the academic community to engage in further exploration of this unanticipated correlation, as it offers a compelling avenue for interdisciplinary inquiry and a departure from the conventional confines of financial analysis.

In summary, our study unearths a remarkable association between the popularity of the name Lily and Devon Energy's stock price, enlivening the discourse on the intertwined narratives of societal trends and financial market dynamics. This unanticipated connection beckons for further investigation, promising to unravel the enigmatic threads that bind lilies and stock prices in an intricate dance of influence and intrigue.

V. Discussion

The results of our study provide compelling evidence of a robust and statistically significant relationship between the increasing prevalence of the name Lily and the fluctuating stock price of Devon Energy (DVN). The exceptional correlation coefficient of 0.9001675 and the substantial r-squared value of 0.8103015 underscore the remarkable extent to which the name Lily appears to be intertwined with DVN's stock price movements. These findings align with and bolster the earlier literature that highlighted the potential influence of botanical nomenclature on financial markets, including the groundbreaking work of Smith and Doe, who first shed light on the unorthodox connections between floral names and stock price movements. While at first glance the notion of a botanical name exerting a palpable impact on financial market dynamics may sound like a whimsical flight of fancy from the fictitious realm of M. Mary and D. Dahlia, our results strongly indicate that there may indeed be a surprising undercurrent of influence at play.

The significance level of our findings, with $p < 0.01$, reinforces the solidity of the statistical relationship unearthed in our analysis, prompting us to venture into the realms of speculative inquiry as we ponder the potential underlying mechanisms at play. While we must exercise

caution in attributing causation to this correlation, the pronounced magnitude of the relationship raises some intriguing questions. Could floral names harbor an unforeseen sway over market perceptions and behaviors? Are there underlying psychological and sociological forces that subtly nudge market sentiments based on the prevalence of certain names? Or is this correlation a mere coincidence, akin to a fortuitous encounter between an early-blooming lily and a soaring stock price? The answers to these questions remain as enigmatic as the mysterious allure of Lily's connection to DVN.

The scatterplot presented in Figure 1 visually encapsulates the striking synchronicity between the prevalence of the name Lily and DVN stock price, inviting us to contemplate the underlying tales spun by this unconventional pairing. This unanticipated correlation invites further exploration into the tangled web of influences that traverse societal trends and financial market dynamics, exuding a whimsical charm reminiscent of T. Tulip's floral narratives of blossoming investments and the unseen connections waiting to be unveiled.

Our study not only augments the discourse on the unsuspected interrelationships between seemingly disparate phenomena but also provokes a reevaluation of the conventional wisdom governing the boundaries of financial analysis. As we set sail on this uncharted sea of unlikely correlations and quirky discoveries, the lily-strewn waters of financial markets beckon us to navigate their multifaceted currents and uncover the whimsical intricacies that imbue names with a captivating influence over stock prices. So, as we continue to unearth the curious dance of lilies and stock prices, let us embark on this delightful expedition with a touch of whimsy, for in the intertwining narratives of societal trends and stock market dynamics, there may yet lie the whimsical twists and quirky turns waiting to be unraveled. Let the Lily of the stock market

continue to captivate our minds and inspire our inquiries, for in this peculiar confluence lies a garden of inquiry as captivating as a blooming lily.

VI. Conclusion

In conclusion, our investigation into the correlation between the prevalence of the name Lily and Devon Energy's stock price (DVN) has woven a tapestry of compelling findings. The pronounced correlation coefficient of 0.9001675, reminiscent of a harmonious duet or a well-choreographed ballet, underscores the intriguing association between the eponymous floral moniker and the undulating fortunes of a prominent energy company.

While our study tantalizingly raises questions as complex as a blooming lily, it also presents an opportunity for lighthearted contemplation amidst the somber corridors of financial analysis. As we ponder the remarkable synchronicity between the name Lily and DVN stock price, one cannot help but marvel at the whimsical nature of statistical exploration, where unexpected connections bloom like rare, exotic flowers in an otherwise arid landscape.

The compelling correlation between the name Lily and DVN stock price calls for a nuanced reevaluation of the potential influences shaping market dynamics. It beckons us to delve into the mysteries of societal trends and financial forces, akin to embarking on a thrilling treasure hunt that promises unrivaled discovery and intellectual enrichment.

As we bid adieu to this particular endeavor, we assert with the firmness of a lily stem that no further research is warranted in this area. The captivating dance of lilies and stock prices has been unveiled, leaving little more to be gleaned from this peculiar pairing.

In the grand symphony of academic inquiry, this study stands as a whimsical interlude, where the unexpected convergence of domains as diverse as floral nomenclature and energy stocks has delighted and puzzled in equal measure. It is a testament to the multifaceted nature of scholarly exploration, where serious inquiry and fleeting amusement seamlessly intertwine, much like the delicate tendrils of a climbing lily.

With that, we bid adieu to the enthralling tale of Lily and DVN stock price, leaving it to linger as a charming footnote in the annals of academic curiosity.