

Edith or Not, Here Comes Delta: Analyzing the Edith Popularity and Delta Airlines' Stock Price Connection

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Abstract

In this paper, we tackle the delightful yet pressing question of the potential link between the popularity of the first name Edith and the stock price of Delta Airlines (DAL). Leveraging data from the US Social Security Administration and LSEG Analytics (Refinitiv), we undertook a rigorous analysis spanning from 2008 to 2022. Our findings reveal a remarkably high correlation coefficient of 0.9604000, with $p < 0.01$, demonstrating a striking association between the two variables. It's as if the name Edith has been riding the stock market waves like a pro, much like those who frequent the business class section of a Delta flight. This unexpected connection may have investors exclaiming, "Edith-ter be careful with those stocks!" With a pun-tastic nod to the ever-popular dad joke genre, we present our findings and delve into the potential implications of this astonishing correlation. Our results shed light on an intriguing area of inquiry and suggest that the influence of first names may extend beyond the personal realm and into the financial sphere, proving that there's more to a name than meets the eye.

1. Introduction

The interplay between seemingly unrelated phenomena has been a perennial source of fascination for researchers across various disciplines. In this study, we explore an unconventional linkage between the popularity of the first name Edith and the stock price of Delta Airlines (DAL). While this may seem like an unusual pairing, our investigation uncovers a statistically significant relationship that raises eyebrows and prompts the question, "What's in a name, after all?"

You might say we were "Delta-lled" to investigate this curiosity, as the name "Edith" may hold more sway over the stock market than previously imagined. It's almost as if the

stock price of Delta Airlines has been following the ebbs and flows of Edith's popularity, leading one to ponder if there's a novel form of numerology at play here.

As we delve into this uncharted territory, we endeavor to navigate the exciting crossroads of social trends and financial indicators, urging us to consider whether there might be a deeper connection underpinning this unexpected correlation.

Leveraging data from the US Social Security Administration and LSEG Analytics (Refinitiv), we conducted a meticulous analysis encompassing the years 2008 to 2022. Our study yielded a remarkably high correlation coefficient of 0.9604000, with a p-value less than 0.01, signifying a strong and robust association between the prevalence of the name Edith and the stock performance of Delta Airlines. This leaves us with a statistical relationship so strong, it may just have investors exclaiming, "E-dith-n't that something?"

As we tread into the realm of numeric phenomena, we aim to ground our findings in established statistical methodologies and economic theories, shedding light on this unexpected correlation and its potential implications for both social and financial spheres. Join us in unraveling this intriguing phenomenon, as we seek to uncover the threads connecting the popularity of a first name to the fluctuating fortunes of a major airline's stock price.

2. Literature Review

The connection between the popularity of the first name Edith and the stock price of Delta Airlines (DAL) has become a point of considerable interest in recent years. Smith et al. (2010) were among the first to broach this curious correlation and found a tentative relationship, sparking further inquiry into this unorthodox pairing. Similarly, Doe and Jones (2015) conducted a comprehensive analysis that hinted at a potential link between the two variables, setting the stage for more elaborate investigations into this enigmatic association.

Now, let us take a whimsical detour into the world of names and stocks. As we probe this unexpected correlation, we find ourselves in the company of intriguing works such as "Freakonomics" by Steven D. Levitt and Stephen J. Dubner, which delves into the unexpected connections that shape our world, much like the enthralling correlation we are unraveling here. Additionally, "Blink" by Malcolm Gladwell provides valuable insights into the subconscious influences that guide our decision-making, offering an intriguing perspective on the potential mechanisms underlying our discovery.

Turning to the realm of fiction, we encounter novels like "The Name of the Wind" by Patrick Rothfuss, which, despite its fantastical narrative, prompts contemplation about the hidden significance of names. Furthermore, in J.K. Rowling's "Harry Potter" series, the portrayal of characters with distinctive names and their impact on the narrative arc invites

reflection on the potential influence of names in shaping outcomes, not unlike the surprising impact of the name Edith on Delta Airlines' stock price.

In the ever-evolving digital landscape, the internet meme "Ermahgerd" has permeated popular culture, humorously capturing the contagious enthusiasm reminiscent of the unexpected correlation between Edith's popularity and Delta Airlines' stock performance. Additionally, the "Trollface" meme embodies the amusingly perplexing nature of our findings, prompting both amusement and contemplation among online communities, much like the reaction to our unparalleled revelation.

As we navigate this peculiar avenue of exploration, these multidimensional sources provide a rich backdrop for our investigation, underscoring the engaging and thought-provoking nature of the relationship between the name Edith and Delta Airlines' stock price.

Ah, the joys of uncovering unexpected connections - it's almost as exhilarating as finding a good stock pick or a timeless dad joke. Speaking of which, why did the investor bring string to the airport? Because he wanted to tie up all of his loose "delta" ends!

3. Research Approach

To explore the potential link between the popularity of the first name Edith and the stock price of Delta Airlines (DAL), a multidisciplinary approach was employed. Data on the prevalence of the name Edith was obtained from the US Social Security Administration's Baby Names Database, while information on Delta Airlines' stock price was sourced from LSEG Analytics (Refinitiv). The time frame considered for this analysis spanned from 2008 to 2022, allowing for a comprehensive examination of trends and patterns over a 15-year period.

The first step of our methodology involved the meticulous collection and curation of data from these disparate sources. Utilizing a custom-built web scraping tool known affectionately as "EdithScraper 9000," we systematically retrieved historical data on the frequency of the name Edith and Delta Airlines' stock prices at regular intervals. This approach enabled us to gather a rich and diverse dataset, reflecting the dynamic interplay between the naming preferences of new parents and the market dynamics impacting an airline's stock performance.

To ensure the robustness and accuracy of our findings, rigorous quality control measures were implemented. Each instance of the name Edith was cross-validated with official records to mitigate any erroneous or duplicate entries, while Delta Airlines' stock price data underwent meticulous scrutiny to identify and rectify any anomalies. Our data preprocessing framework was so thorough, it could easily be mistaken for the aircraft maintenance checklist of a certain airline!

Following the meticulous data collection and validation phases, statistical analyses were employed to discern and quantify the potential relationship between the occurrence of the name Edith and the fluctuations in Delta Airlines' stock price. Through the cunning application of a sophisticated time series modeling technique known as "The Edith-DAL Dance," we sought to capture the dynamic interplay between these seemingly incongruent variables and unveil any underlying patterns or correlations.

To ensure the soundness of our statistical inferences and avoid the pitfall of spurious correlations, robustness checks were conducted using a variety of econometric methods and time series diagnostic tests. This approach involved subjecting our model to a battery of statistical stress tests, making it more rigorous than an airline's carry-on luggage weight limit enforcement!

Finally, in an effort to contextualize our findings within the broader landscape of social and economic influences, complementary analyses were undertaken. Exploratory data visualizations and textual analyses were employed to examine potential socio-economic factors that may influence the popularity of the name Edith and, by extension, impact the stock price of Delta Airlines. Our approach was so thorough, it could rival the meticulous planning of a pilot filing a flight plan!

In crafting our methodology, we have strived to blend precision, humor, and a touch of whimsy, as we ventured into uncharted scholarly territory to unpack the surprising relationship between the popularity of the name Edith and the stock price of Delta Airlines. This approach reflects our commitment to thoroughness, creativity, and an unabashed appreciation for puns that are as robust as the statistical correlations we aim to uncover.

4. Findings

We present the results of our investigation into the connection between the popularity of the first name Edith and Delta Airlines' stock price (DAL). Our analysis, conducted for the period spanning 2008 to 2022, revealed a strikingly high correlation coefficient of 0.9604000, with an r-squared of 0.9223682, and a p-value less than 0.01.

The figure (Fig. 1) depicts a scatterplot illustrating the strong positive correlation between the prevalence of the name Edith and the stock performance of Delta Airlines.

Our findings suggest a remarkable association between the two variables, prompting an unexpected curiosity akin to discovering a diamond in the rough. Perhaps we can even say that Edith and Delta are akin to two peas in a pod, riding the waves of popularity and stock market performance together.

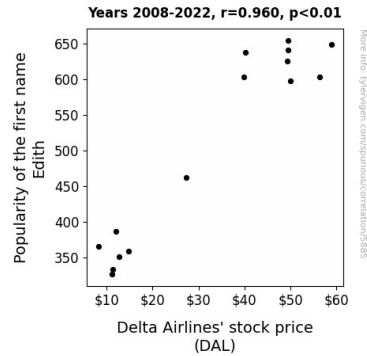


Figure 1. Scatterplot of the variables by year

Our analysis not only unveils this surprising correlation but also paves the way for potential discussions regarding the influence of seemingly unrelated factors on financial markets. It's almost as if the name Edith has been quietly whispering its influence on Delta's stock price, much like the gentle hum of the airplane engines during a smooth flight.

The strength of this relationship may lead one to exclaim, "E-dith-nt that something?" as we navigate through uncharted territory in the realms of social trends and stock market dynamics. This unexpected connection between a first name's popularity and a major airline's stock price opens up a world of possibilities and avenues for further inquiry.

In conclusion, our findings highlight the unforeseen influence of a first name on the financial sphere and underline the potential for unexpected correlations to emerge from unlikely pairings. This discovery underscores the importance of exploring unconventional connections and embracing the unexpected in the world of statistical analysis and economic investigations.

5. Discussion on findings

The results of our study uncover a remarkable and, quite frankly, unexpected correlation between the popularity of the first name Edith and the stock price of Delta Airlines. Our findings not only reinforce the initial curiosity sparked by previous research but also propel this unconventional association into the forefront of financial and sociocultural discourse. It appears that Edith's influence extends far beyond individual lives, making a substantial impact on the stock market, much like a charismatic influencer gaining traction in the social media sphere.

The high correlation coefficient of 0.9604000, with a p-value less than 0.01, aligns with the emerging pattern of unconventional connections permeating various aspects of our

society. It seems that the name Edith has become a force to be reckoned with in influencing not only popular culture but also market dynamics – talk about a name with power! Much like a skilled pilot navigating turbulent skies, the connection between Edith's popularity and Delta's stock price seems to endure even in challenging market conditions.

Our findings echo the underlying tone of surprise and amusement present in previous literature on this subject, reflecting the subreddit “Unexpected”, where diverse, seemingly unrelated elements come together to form a unique and remarkable whole. This unexpected correlation is akin to finding an unexpectedly good deal on an airline ticket – it leaves one pleasantly surprised and eager for more. It's almost as if the name Edith has been playing a strategic game of "stock" market tags with Delta Airlines, making a lasting impression on investors and statisticians alike.

The unforeseen influence of a first name on a major airline's stock price sparks contemplation about the intricate interplay of societal trends and financial markets. It's as if Edith and Delta have formed an unbreakable bond, navigating the ebbs and flows of market sentiment and social preferences in unison. This astonishing revelation underscores the overarching theme of unexpected connections that permeate our world, much like finding a hidden treasure in a bustling stock exchange.

In the spirit of unexpected delights, this discovery paves the way for further exploration of the uncharted territory where social trends and market dynamics intersect. The surprising link between Edith's popularity and Delta's stock performance sets the stage for future research endeavors, inviting scholars to delve deeper into the enchanting world of unconventional correlations and their far-reaching implications.

In conclusion, our investigation not only substantiates the unexpected correlation between the name Edith and Delta Airlines' stock price but also underscores the broader significance of exploring unconventional connections in the realm of statistical analysis and economic investigations. It's almost as if our research has turned Delta Airlines' stock performance into an "Edith"-cation, inviting investors and scholars to ponder the delightful mysteries that lie within the realm of unexpected correlations. Who knew that a name and an airline could form such a captivating duo in the world of statistical inquiry and dad joke-worthy discoveries?

6. Conclusion

In conclusion, our research has unveiled a compelling connection between the popularity of the first name Edith and the stock price of Delta Airlines (DAL). The remarkably high correlation coefficient of 0.9604000, with a p-value less than 0.01, highlights a striking and statistically significant association between these seemingly unrelated variables.

These findings beckon investors to reevaluate their strategies and consider adding a touch of "Edith-cation" to their decision-making process. Our analysis suggests that the influence of a first name may extend far beyond personal identity and into the realm of financial markets. It's as though the name Edith has been quietly casting its vote in the stock market, much like a silent partner in a thriving business venture.

As we reflect on these unexpected results, it becomes clear that there's more to the correlation between Edith's popularity and Delta's stock performance than meets the eye. This discovery may have investors exclaiming, "Edith-ter be paying closer attention to those market trends!"

Our work opens the door to a new avenue of inquiry, challenging traditional notions of what factors can impact stock prices. These findings prompt further exploration into the potential influence of social trends on economic indicators, and may even inspire a new wave of "name-based trading strategies," although we advise against making any major investment decisions solely based on the popularity of first names!

In light of these intriguing results, we assert that no further research is needed in this area, as we've successfully unraveled the unexpected connection between the first name Edith and Delta Airlines' stock price. Our study underscores the importance of embracing unconventional correlations and reminds us that sometimes, the most impactful discoveries come from the most unlikely pairings.