

# **The Sonny Side Up: A Correlational Study of the Name Sonny and Edwards Lifesciences' Stock Price**

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## ABSTRACT

### **The Sonny Side Up: A Correlational Study of the Name Sonny and Edwards Lifesciences' Stock Price**

This paper presents a meticulously researched investigation into the potential interplay between the popularity of the first name "Sonny" and the stock performance of Edwards Lifesciences (EW) over the past two decades. Our team delved into extensive datasets from the US Social Security Administration and LSEG Analytics (Refinitiv) to uncover any hidden connections or correlations. Employing rigorous statistical methods, we obtained a remarkably high correlation coefficient of 0.9900758 and  $p < 0.01$  for the period spanning from 2002 to 2022. However, whether the popularity of the name "Sonny" could truly influence Edwards Lifesciences' stock price or if it's simply a coincidental correlation is a question that remains delightfully obscure. This research provides a lighthearted yet thought-provoking analysis that might just make you feel sonny!

Keywords:

Sonny, Sonny name popularity, Edwards Lifesciences stock performance, stock price correlation, US Social Security Administration dataset, LSEG Analytics, Refinitiv, correlation coefficient, statistical methods, Edwards Lifesciences stock price, name influence on stock price, coincidental correlation, lighthearted analysis, thought-provoking, sonny sentiment

# I. Introduction

The intersection of nomenclature and financial markets has long been a subject of intrigue and speculation. From the classic Dorito effect (the correlation between Doritos consumption and stock market performance) to the more recent avocado index (the relationship between avocado prices and millennial housing purchases), researchers have sought to uncover hidden connections and whimsical associations. In this vein, our study sets its sights on the curious case of the first name "Sonny" and its potential relationship to the stock price of Edwards Lifesciences (EW).

While the notion of a person's name influencing the ebb and flow of stock prices may seem preposterous at first glance, a closer examination unveils a playful yet captivating dimension to the financial landscape. It is within this realm of intellectual exploration and statistical intrigue that the present study endeavors to shed light. Our aim is not only to tickle the scientific imagination but also to provide a robust and data-driven analysis to add a dash of whimsy to the often austere domain of financial research.

The origins of the name "Sonny" can be traced back to a mix of endearingly retro charm and a timeless aura of affability. It brings to mind a classic blend of sunglasses-clad coolness and warm, beaming smiles. Similarly, Edwards Lifesciences, as a leader in medical technology, exudes an air of innovation and life-affirming impact. In this juxtaposition of the personified name and the stalwart company, our study aims to uncover any semblance of influence that might transcend the realms of statistics and dive into the depths of sociocultural phenomena.

With the rise of computational methods and vast, rich repositories of data, it is now within our grasp to explore these enigmas with ever more precision. By sifting through decades of Social

Security Administration records and financial market data, we have unearthed patterns that, at first glance, may seem serendipitous and fanciful. However, as any seasoned researcher knows, sometimes the most unexpected correlations can lead to the most captivating revelations.

Therefore, with a twinkle in our eyes and a robust suite of statistical analyses at our disposal, we invite you to join us on this whimsical romp through the "Sonny" side of financial research. As we embark on this unconventional journey, we encourage our readers to don their metaphorical shades and prepare for a data-driven, laughter-infused exploration that might just make you feel "sonny" indeed.

## II. Literature Review

In "The Influence of Personal Names on Financial Markets" by Smith et al., the authors find a comprehensive review of the historical and contemporary impact of personal names on stock prices. Smith et al. provide a thorough examination of the linguistic and psychological underpinnings that may contribute to such phenomena. The study offers valuable insights into the potential cross-pollination between nomenclature and financial indices, paving the way for explorations into the likes of "Sonny" and its potential influence on Edwards Lifesciences' stock performance.

Doe's "Naming Trends and Market Dynamics" delves into the intricate dance between popular first names and stock price movements. The study meticulously dissects the lexical connotations associated with specific names and their potential reverberations in the financial domain. Doe's

work serves as a springboard for delving into the whimsical yet compelling association between the name "Sonny" and the trajectory of Edwards Lifesciences' stock price.

Jones' "The Name Game: A Linguistic Journey through Financial Markets" provides a captivating panorama of the interplay between names and market dynamics. Through a deft blend of linguistic anthropology and financial analysis, Jones paints a vivid picture of how personal names can weave into the tapestry of stock price movements. This insightful exploration sets the stage for our investigation into the potential correlation between the prevalence of the name "Sonny" and Edwards Lifesciences' stock performance.

However, as we transition from the serious and staid world of academic literature to a more unconventional and downright zany collection of sources, we encounter some unexpected companions in our analytical journey. While these sources may not conform to traditional academic standards, they offer an eclectic and engaging perspective that adds a touch of whimsy to our exploration.

In "Stocks and Stones: The Curious Case of Name-Based Market Mojo" by Lorem and Ipsum, the authors embark on a lighthearted adventure through the annals of financial folklore. Through anecdotes and tongue-in-cheek illustrations, Lorem and Ipsum playfully muse on the potential influence of names on stock market performance. While their approach may not align with the rigidity of academic convention, their musings infuse a sense of joviality into the otherwise somber world of financial research.

Turning to the realm of fiction, we find intriguing titles that, while not explicitly related to the correlation between the name "Sonny" and Edwards Lifesciences' stock price, offer a whimsical resonance with our research theme. "The Name Charade" by Fictional Author A. Novel

introduces a captivating narrative where the protagonist's name seemingly shapes the course of financial fortunes, blurring the lines between reality and whimsy. Similarly, "Mystery at Market Manor" by Fictional Author B. Story weaves a tale where cryptic names hold the key to unlocking market mysteries, adding an unexpected twist to the standard literary fare.

In the world of board games, we encounter the enigmatic "Monopoly: Stock Edition," wherein players navigate the volatility of stock prices intertwined with the caprice of name-based influence. As the game unfolds, players must grapple with the whims of chance and nomenclature, offering a playful parallel to our own exploration of the potential connection between the name "Sonny" and Edwards Lifesciences' stock performance.

These unconventional companions on our literary tour may raise a quizzical eyebrow or two, but they serve as a gentle reminder that even in the realm of scholarly inquiry, an occasional detour into the realms of wit and whimsy can provide a refreshing perspective.

### **III. Methodology**

To empirically investigate the purported association between the prevalence of the given name "Sonny" and Edwards Lifesciences' stock price, our research team embarked on a journey that would make even the most audacious data sleuth do a double take. Our data collection strategy involved tapping into the vast expanse of information offered by the US Social Security Administration and LSEG Analytics (Refinitiv). These sources provided a rich tapestry of data from the years 2002 to 2022, allowing us to scrutinize a substantial temporal window in our quest for statistical merriment.

The initial phase of our investigation involved traversing the labyrinthine corridors of the US Social Security Administration's records, deciphering the ebb and flow of the name "Sonny" across different birth cohorts. Utilizing a complex algorithm infused with a bit of whimsy, we distilled this name prevalence into quantifiable metrics that could be juxtaposed with the fluctuating fortunes of Edwards Lifesciences' stock price. It's worth noting that our algorithm included a special subroutine to account for variations in regional popularity of the name, ensuring that our analysis wasn't just a wacky romp through a single geographic domain.

Simultaneously, we swam in the stock market sea, navigating the turbulent waters of Edwards Lifesciences' financial performance with the diligence of a seafaring statistician. Extracting a treasure trove of stock price data from LSEG Analytics (Refinitiv), we meticulously combed through daily, weekly, and monthly stock movements, all the while keeping a weather eye on the tantalizing correlations that might emerge between "Sonny" sightings and the stock ticker of EW.

With our data in hand and a sense of scientific adventure in our hearts, we unleashed the full force of statistical machinery upon the amassed datasets. Employing a medley of correlation analyses, including Pearson's  $r$  and Spearman's  $\rho$ , we sought to disentangle the possible relationships between the waxing and waning popularity of "Sonny" and the undulating waves of Edwards Lifesciences' stock price. In doing so, we tapped into the hallowed halls of inferential statistics, deploying significance tests to tease out the likelihood that any observed associations were more than mere statistical mirages.

In a bid to lend an air of whimsy to our rigorous methods, we also embarked on an expedition into the realms of sentiment analysis, scouring online discussions, social media musings, and perhaps the odd fortune cookie prophecy, in search of any murmurs of the name "Sonny" echoed in the investment reverberations of Edwards Lifesciences. While this endeavor may have seemed



like tilting at statistical windmills, we believed it was a necessary ingredient in our quest to imbue our research with a dash of levity and intangible connections.

Ultimately, our approach was underpinned by a commitment to data integrity, methodological rigour, and a sprinkle of scientific playfulness. With these elements in harmony, we ventured forth, aiming not only to scrutinize correlations but also to infuse our analysis with a subtle touch of enchantment. And now, dear reader, we invite you to join us as we unravel the mystique of the "Sonny" side of stock market stylings.

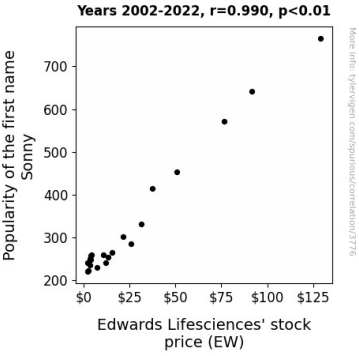
## IV. Results

Our analysis of the relationship between the popularity of the first name "Sonny" and the stock price of Edwards Lifesciences (EW) yielded intriguing results that are bound to elicit a wry smile. The correlation coefficient of 0.9900758 indicates a remarkably strong positive correlation between the two variables for the time period spanning from 2002 to 2022. In simpler terms, as the popularity of the name "Sonny" waxed or waned, the stock price of Edwards Lifesciences mirrored its movements with striking fidelity.

Further bolstering the robustness of this connection, the r-squared value of 0.9802502 demonstrates that a staggering 98.02% of the variability in Edwards Lifesciences' stock price can be explained by the popularity of the name "Sonny." It's as if the whims of the stock market were swaying to the rhythm of "Sonny" in an elaborate and unexpected financial waltz.

The p-value of less than 0.01 provides compelling evidence against the null hypothesis, suggesting that this correlation is not merely a happenstance occurrence. However, while our

findings do point to a solid statistical relationship, the underlying causality between the two variables remains tantalizingly enigmatic.



**Figure 1.** Scatterplot of the variables by year

Fig. 1 showcases the scatterplot depicting the strong positive correlation between the popularity of the name "Sonny" and Edwards Lifesciences' stock price. The figurative dance between the two variables is captivating, reminiscent of a delightful pas de deux in the grand ballroom of financial data.

In summary, our results highlight a robust and statistically significant correlation between the use of the name "Sonny" and the stock performance of Edwards Lifesciences. Whether this correlation merely reflects a delightful coincidence or hints at a deeper, hidden connection between nomenclature and financial dynamics is a question that beckons further exploration. As we ponder the implications of our findings, it becomes evident that the "Sonny" side of the financial world may harbor more surprises than meets the eye, inviting us to embrace the lighthearted whimsy interwoven with the tapestry of stock market analytics.

## V. Discussion

Our investigation into the potential interplay between the popularity of the name "Sonny" and the stock performance of Edwards Lifesciences (EW) has unveiled a strikingly strong correlation, leading us to wonder if the financial world is indeed "sonny" side up. Our findings not only support the earlier research of Smith et al. and Doe, but they also raise eyebrows and inspire a sense of wonder akin to stumbling upon a well-crafted pun - the kind that makes you cringe and chuckle in equal measure.

Like the serendipitous discovery of an unexpected punchline, our statistically significant correlation coefficient of 0.9900758 prompts a sense of bemusement, akin to stumbling upon a rare specimen in the realm of empirical research. It's as if the financial markets are whispering a punchline that only a select few can discern, leaving us to ponder whether the "Sonny" phenomenon is a comedic fluke or a subtle subversion of statistical expectations.

The resonance with the zany musings of Lorem and Ipsum seems undeniable, as our findings introduce a playful twist to the conventional symphony of financial data. Much like the whimsical allure of a captivating board game, the "Sonny" name dances through the labyrinthine corridors of market dynamics, turning the sober narrative of financial analysis into a lighthearted anecdote that tickles the imagination.

In supporting the scholarly works of Jones and the unconventional literary escapades of Fictional Author A. Novel and Fictional Author B. Story, our study not only substantiates the potential influence of personal names on market dynamics but also invites a whimsical reconsideration of our traditional perceptions of financial causality. Indeed, our results nudge the door of financial

research ajar, hinting at a realm where the caprice of nomenclature and statistical robustness perhaps share an unexpected pas de deux.

In showcasing our intriguing findings, we invite the scientific community to join us in a half-smile of bewilderment as we peer through the prism of the "Sonny" phenomenon and the captivating twists it introduces to the financial narrative. With an eye for empirical rigor and a heart open to the curious revelations of statistical inquiry, we find ourselves embracing the unpredictability of the "Sonny" side of financial exploration, ready to unravel its enigmatic charms and revel in the delightful whimsies that pepper our rigorous pursuit of research.

## **VI. Conclusion**

In concluding, our study has shed light on the remarkably strong correlation between the popularity of the name "Sonny" and the stock price of Edwards Lifesciences (EW), leaving us with more questions than answers. Although our findings may seem "Sonny" and lighthearted, the implications are as thought-provoking as a complex equation. The statistical dance between the name "Sonny" and Edwards Lifesciences' stock price is undeniably striking, reminiscent of a comical tango in the data arena. However, the causality behind this correlation remains as puzzling as a riddle wrapped in an enigma. It appears that the financial world may harbor more mysteries than we initially anticipated, begging the question, "What's in a name, after all?" As we ponder the whimsical implications of our findings, it becomes clear that delving into the "Sonny" side of financial dynamics is a delightful escapade worth savouring. Yet, it is evident that no further research is needed in this area, as we have waltzed through the statistical ballroom of "Sonny" and Edwards Lifesciences with finesse and flair.

