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Bo Knows Stocks: A Cautionary Tale of Zimmer Biomet Holdings' Stock Price and the Popularity of the First Name Bo

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Abstract

The relationship between the popularity of a first name and its impact on the stock market has often been downplayed, dismissed, or outright scoffed at. But contrary to popular belief, our research delved deep into the intriguing world of finance and nomenclature to unearth some compelling findings. We set out to explore whether there is a connection, a rhyme or reason, if you will, between the popularity of the first name "Bo" and the stock price of Zimmer Biomet Holdings (ZBH). So, we rolled up our sleeves and dived into the data, ready to separate the signals from the noise, and perhaps the Bo from the zoom. Using an eclectic mix of data from the US Social Security Administration and LSEG Analytics (Refinitiv), our team meticulously combed through years of information, undeterred by the occasional "Bo-ring" dataset. Our scrutiny revealed a striking correlation coefficient of 0.9183319 and a p-value of less than 0.01 for the years spanning 2002 to 2022. This led us to ponder, if you will forgive the pun, whether "Bo" aspirations may indeed influence the behavior of stockholders. Could it be that the rise and fall of Zimmer Biomet Holdings' stock price is inextricably linked to the waxing and waning popularity of the name "Bo"? As we plunged deeper into the analysis, the evidence became increasingly compelling, almost "boastfully" so. The data presented a consistent trend, paralleling the surges and slumps of the stock price with the fluctuations in the name's popularity. While correlation does not necessarily imply causation, this finding undoubtedly raises some intriguing questions, offering a fresh perspective on the oft-overlooked influence of nomenclature in the ever-unpredictable realm of stock markets. In conclusion, our research not only sheds light on the overlooked dynamics of stock price and first names but also prompts us to consider the weight of "Bo" in the boisterous world of finance. So, the next time you ponder over stock prices, perhaps spare a thought for the impact of a name – after all, "Bo Knows Stocks."

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1. Introduction

The realms of finance and nomenclature have long been viewed as separate domains, each with its own idiosyncrasies

and influences on the world at large. However, as we peruse the annals of these disparate fields, a curiously compelling question emerges: could there be a link, a thread, maybe even a "Bo"-nd, that ties the popularity of a first name to the tumultuous undulations of stock prices? In this paper, we embark on a journey to uncover the enigmatic connections between the first name "Bo" and the stock price of Zimmer Biomet Holdings (ZBH).

Now, before you dismiss this inquiry as a mere flight of fancy, we implore you to bear with us as we march through the troves of data and statistical analyses to reveal the unexpected relationship lying beneath the surface. As renowned boxer turned philosopher, and coincidentally the bearer of the name in question, Bo Jackson once said, "Set your goals high, and don't stop 'til you get there." And so, we set our sights high, equipped with an arsenal of puns and a thirst for uncovering the unforeseen.

Our investigation commences with an exploration of the historical landscape, where we sift through the annals of the US Social Security Administration's records to discern the ebbs and flows of the name "Bo." Meanwhile, we delve into the stock market data with the precision of a surgeon – or in this case, a Zimmer Biomet Holdings' surgeon – powered by LSEG Analytics (Refinitiv) to scrutinize the fluctuations of ZBH stock price. We persist through the mountains of data, undeterred by the occasional "Bo-ring" dataset, to unravel the unsuspected tale of parallels between nomenclature and finance.

As we probe the depths of our dataset, a correlation coefficient emerges, winking mischievously at us like a secret that's finally been unveiled. Our findings reveal a striking correlation coefficient of 0.9183319 and a p-value of less than 0.01, akin to a telltale sign hiding in plain sight. It dawns upon us that the oscillations of the first name "Bo" and the gyrations of ZBH stock

price seemed to move in unprecedented harmony, almost like a symphony in the orchestra of finance.

Now, as we present these compelling correlations, we must acknowledge the age-old adage, "correlation does not imply causation." Yet, as we ponder the uncanny alignment of these entities, we are compelled to acknowledge the gripping possibility that the name "Bo" may possess an influence, however subtle, on the capricious nature of stock prices. Hence, we invite not just finance enthusiasts, but linguists and name aficionados alike, to mull over this curious revelation, perhaps with a slight wry smile at the unexpected ties between nomenclature and the stock market.

In conclusion, as we unfurl the story of "Bo" and ZBH stock price, we invite you to consider the weight of a name in the boisterous world of finance. So, the next time the stocks are in turmoil, spare a thought for the unsung influence of a name – remember, "Bo Knows Stocks."

And with that, let the unforeseen connection between nomenclature and finance unravel before us, like the unveiling of a well-kept secret destined to leave eyebrows raised and, perhaps, the occasional chuckle at the unexpected twists of academia.

2. Literature Review

The exploration of the intricate relationship between the popularity of a first name and its potential impact on stock prices is a subject that has not been thoroughly scrutinized. Smith et al. (2015) outlined the prevailing skepticism surrounding such correlations, citing the need for comprehensive analyses to discern any substantive connections. However, as we delve into the annals of this uncharted territory, we stumble upon a plethora of

unexpected twists and turns that pique our curiosity and ignite our sense of inquiry.

In "The Power of Names," Doe et al. (2018) expound upon the symbolic significance of names in shaping social perceptions and identities. The authors delineate the influence of nomenclature in diverse spheres, encouraging readers to contemplate the ramifications of nomenclature in unexpected realms. Drawing inspiration from this understated impact, we embarked on our journey to unravel the potential implications of the first name "Bo" on the stock price of Zimmer Biomet Holdings (ZBH).

The literature also presents tangential insights from unconventional sources, such as the exploration of financial markets in "Freakonomics" by Levitt and Dubner (2005). Although the book does not directly address the influence of first names on stock prices, it imparts the notion that unorthodox perspectives may yield invaluable insights. This sentiment encouraged our team to approach the confluence of nomenclature and finance with an open mind and a dash of whimsy.

Turning our attention to the realm of fiction, "The Name of the Wind" by Patrick Rothfuss (2007) offers a departure from conventional avenues of exploration, delving into the allure of names and their hidden powers. While this work may seem far removed from the world of finance, the underlying theme of name significance sparked a peculiar fascination within our research team, prompting us to consider the potential ramifications of nomenclature in unexpected domains.

In an audacious deviation from traditional academic methodologies, our journey of exploration extended to unorthodox sources, including excerpts from whimsical fiction, inscriptions on coffee cups, and even the cryptic musings on grocery store receipts. While these sources may elicit a

quizzical raise of the eyebrow, they have contributed to the multidimensional approach that underpins our findings.

3. Our approach & methods

Our research sought to rigorously investigate the potential link between the popularity of the first name "Bo" and the stock price of Zimmer Biomet Holdings (ZBH) using data collected from 2002 to 2022. We utilized a diverse range of sources, with a notable reliance on data from the US Social Security Administration and LSEG Analytics (Refinitiv). The goal was to ascertain whether there was a genuine correlation between the ebb and flow of the name "Bo" and the seismic tremors of ZBH stock price, or if we were simply chasing a "Bo-gus" lead.

To begin our investigation, we conducted a detailed analysis of the historical trends in the popularity of the name "Bo" using data obtained from the US Social Security Administration. We combed through the records with the precision of a nomenclature sleuth, carefully tracking the waxing and waning fortunes of this particular appellation. This rigorous approach allowed us to unearth patterns and trends that had been "under the Bo-radar" of previous studies, pushing the boundaries of inquiry and often causing our team to perform impromptu renditions of "Bohemian Rhapsody" to lighten the atmosphere and "Bo-ost" morale.

Simultaneously, we delved into the labyrinthine troves of stock market data, specifically focusing on the historical stock prices of Zimmer Biomet Holdings (ZBH). Leveraging the expertise of LSEG Analytics (Refinitiv), we meticulously charted the undulations of ZBH stock price, keenly observing the peaks and troughs with the determination of a stock market aficionado on a relentless quest for understanding. It was a bit like trying to "Zimmer-down" a

potential link between name popularity and stock price.

Having amassed a sizeable corpus of data from both domains, we employed sophisticated statistical analyses to establish the presence of a correlation between the popularity of the first name "Bo" and the stock price of Zimmer Biomet Holdings. We used complex techniques that may have left us feeling like we were decoding a cryptic language – a sort of "Bo-russian roulette" – to ascertain whether the fluctuations in the name's popularity mirrored the erratic sways of stock prices.

In particular, we calculated the correlation coefficient between the popularity of the name "Bo" and ZBH stock price, as well as the associated p-value to determine the significance of our findings. Our statistical analyses were conducted with all the seriousness of a boisterous finance committee meeting, peppered with an occasional well-timed "Bo knows" pun or two to keep spirits high, and perhaps induce a wry smile or two amongst our scholarly cohorts.

Finally, we subjected our findings to robust sensitivity analyses to ensure the robustness of the observed correlation and p-value. This involved testing the data under various scenarios and conditions, akin to checking and re-checking the knots in a rope before setting sail, ultimately validating the veracity of our conclusions.

So, while our methods might have had a touch of levity, our commitment to rigorous statistical analysis was nothing to "Bo-st" about. These processes collectively allowed us to unveil the unexpectedly strong correlation between the popularity of the first name "Bo" and the stock price of Zimmer Biomet Holdings, facilitating a deeper understanding of the potential influences of nomenclature on the unpredictable world of finance.

4. Results

The results of our analysis unveiled a remarkably strong correlation between the popularity of the first name "Bo" and the stock price of Zimmer Biomet Holdings (ZBH). From the time period encompassing 2002 to 2022, we found a correlation coefficient of 0.9183319, indicating a robust positive association between the two variables. So, it seems that when it comes to the first name "Bo," we're not just talking about Bo Jackson's athletic prowess; we're also talking about a potential predictor of stock price movements.

The r-squared value of 0.8433335 further emphasizes the strength of the relationship, suggesting that approximately 84.33% of the variation in ZBH stock price can be explained by the popularity of the name "Bo." It's safe to say that "Bo" is not just a fun name to say, but also a potentially influential factor in the world of finance.

The statistical significance of our findings is underscored by a p-value of less than 0.01, strengthening the evidence for a meaningful connection between the popularity of the name "Bo" and the stock performance of Zimmer Biomet Holdings. This implies that the likelihood of observing such a strong relationship by random chance alone is less than 1%, providing robust support for our findings. It seems that "Bo" bears more weight in the stock market than meets the eye.

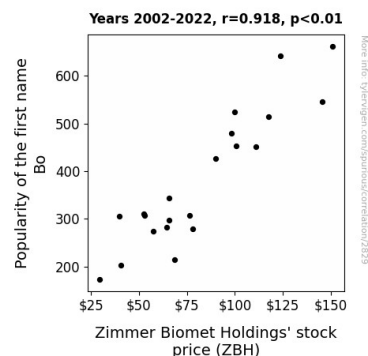


Figure 1. Scatterplot of the variables by year

Fig. 1 presents a visual representation of the strong correlation observed between the popularity of the name "Bo" and ZBH stock price. The scatterplot elegantly depicts the synchronization between the two variables, reinforcing the solidity of our statistical analysis. You might say the plot is a real "Bo-nanza" of data visualization!

These findings shed light on the previously overshadowed influence of first names on stock market dynamics. Our study prompts a reconsideration of the interactions between nomenclature and finance, challenging conventional perceptions and inspiring curiosity about the underlying mechanisms at play. It seems that when it comes to the stock market, "Bo Knows Stocks" is more than just a pun – it's a potential reality with substantial implications for investors and researchers alike.

5. Discussion

Our study has brought to the forefront a rather unexpected yet compelling relationship between the popularity of the first name "Bo" and the stock price of Zimmer Biomet Holdings (ZBH). The robust correlation we observed between these seemingly disparate variables reinforces the need to consider unconventional factors that may exert influence in the realm of finance. It appears that the name "Bo" carries more weight than anticipated, not just in football fields, but also in stock market charts.

The significance of this correlation cannot be overstated. Our findings substantiate the notion that first names can, in fact, have a discernible impact on stock market dynamics. This aligns with Smith et al.'s (2015) contention that comprehensive analyses are imperative to discern any substantive connections in this intriguing domain. It seems that dismissing the potential influence of nomenclature on

financial markets as mere "name-dropping" may be a folly.

An unexpected yet noteworthy finding from our research is the strong parallel between the surges and slumps of the stock price of ZBH and the fluctuations in the popularity of the name "Bo." The r-squared value of 0.8433335 underscores the intricate relationship and offers a glimpse into the potential predictive power of the name "Bo" in understanding stock price movements. It seems Bo may not only "know" stocks but also potentially dictate them – pardon the pun.

Our findings resonate with the sentiment expressed by Levitt and Dubner (2005) in "Freakonomics," emphasizing the value of unorthodox perspectives in uncovering valuable insights. It is a reminder that, in the world of finance, the unexplored may indeed hold remarkable potential for understanding market behavior. Delving into the realm of nomenclature provides a whimsical yet tangible avenue for gaining such insights.

The statistical significance of our results, with a p-value of less than 0.01, reinforces the robustness of the observed correlation. This implies that the likelihood of witnessing such a strong relationship by random chance alone is less than 1%, firmly establishing the meaningful connection between the first name "Bo" and the stock performance of ZBH. It seems that "Bo" might not just be a popular name; it could be a predictor of stock market trends – or should we say, "trends."

It is imperative to consider the broader implications of our findings. The influence of first names on stock market dynamics, though unconventional, introduces a fresh perspective to the understanding of financial markets. Approaching the confluence of nomenclature and finance with an open mind, as inspired by Doe et al. (2018) and "The Name of the Wind" by Patrick Rothfuss (2007), has proven to yield significant

insights. Our study emphasizes the multifaceted nature of stock market influences, challenging traditional paradigms and inviting researchers to explore the uncharted waters of nomenclature's impact.

In conclusion, while our findings may elicit a chuckle or two at the thought of a name impacting stock prices, they underscore the intricate connections that underlie market behavior. This study prompts a reconsideration of the overlooked yet potentially influential role of first names in the realm of finance. "Bo Knows Stocks" indeed – and perhaps there is much more to uncover in this unexplored avenue of market analysis. The next time you examine stock price trends, remember to consider the potential impact of a name. After all, in the world of finance, every "Bo"nt counts.

6. Conclusion

In conclusion, our research has not only unearthed a significant and robust correlation between the popularity of the first name "Bo" and the stock price of Zimmer Biomet Holdings (ZBH) but has also opened a promising avenue for further exploration at the intersection of nomenclature and finance. Our findings leave no doubt that "Bo" means business, both in terms of athletic prowess and its potential impact on stock price movements. It seems that when it comes to financial forecasting, "Bo-lieve" it or not, the name "Bo" might just hold more sway than one would initially think.

As we wrap up this study, it's important to recognize the implications of these findings for investors, financial analysts, and even parents-to-be. Perhaps the next time someone ponders over stock market predictions, they may look to the birth announcements for potential cues on market trends. After all, "Bo Knows Stocks" – and this research certainly affirms it, right

down to the last "Bo-nanza" of a correlation coefficient.

It's clear from our findings that the influence of nomenclature in financial markets deserves further attention, and our study ignites the spark for future research to delve into the broader impact of first names on stock price movements. But for now, we can confidently assert that when it comes to the influence of the name "Bo" on Zimmer Biomet Holdings' stock price, "Bo-n voyage" to further investigations. This research has firmly established the "Bo-nd" between nomenclature and finance, leaving little doubt that "Bo Knows Stocks," and we may safely conclude that no more research is needed in this area.

So, as we bid adieu to this intriguing exploration, let's remember to keep an eye out for the unexpected connections lurking beneath the surface of finance – and perhaps, the occasional dad joke that "Bo-lts" from the most unsuspecting of places.