



Review

Walking the Line: The Pedigree of the Name Walker and ASML Stock Prices

Catherine Hoffman, Amelia Travis, Gideon P Tyler

Institute of Innovation and Technology

The impact of personal nomenclature on financial markets has long been a subject of mild amusement and academic inquiry. This paper delves into the correlation between the popularity of the first name "Walker" and the stock price of ASML Holding (ASML) over the past two decades. Using data from the US Social Security Administration for the frequency of the name "Walker" and LSEG Analytics (Refinitiv) for ASML's stock price, a remarkably high correlation coefficient of 0.9918453 and $p < 0.01$ emerged for the period 2002 to 2022. It seems that the name "Walker" and ASML stock prices have been 'treading on the same path.' This strong correlation prompts a consideration of possible causative factors, from the subtle influence of mainstream culture to the mere coincidence of numerical patterns. The study offers valuable insights into the whimsical yet strangely enigmatic relationship between parental naming choices and international market dynamics. Like a good pair of walking shoes, this analysis may provide a step in the right direction toward understanding these abstract correlations. However, it is clear that further investigation is necessary to unravel the complex interplay between nomenclature and financial markets – an endeavor akin to navigating the twists and turns of a meandering trail.

The influence of personal names on individual destinies has been a perennial source of fascination. Similarly, the whims of financial markets have long captivated the minds of both scholars and investors alike. In a serendipitous fusion of the two realms, this study explores the intriguing relationship between the prevalence of the first name "Walker" and the stock prices of

ASML Holding (ASML). As we tread into this curious territory, one might say we are taking a metaphorical "Walker" on the wild side of financial nomenclature.

The correlation between a name and a stock may seem like a "walk in the park," but upon closer examination, it reveals an unexpected interconnectedness that appears to defy logic. The seemingly disparate

worlds of personal nomenclature and financial markets converge in a manner that can only be described as "pedestrian" – pun intended. This investigation seeks to shed light on the enigmatic dance between a seemingly innocuous name and the fluctuations of international stock prices.

Moving forward with this line of inquiry, one is naturally inclined to consider the potential underlying mechanisms driving this compelling correlation. Could it be that the mere existence of a significant number of individuals named "Walker" exerts an invisible gravitational pull on the stock prices of ASML, or is this relationship simply a case of delightful numerical happenstance? One thing is clear: these findings beckon us to embark on a whimsical, albeit enlightening, stroll through the terrain of statistical correlations.

As we take each analytical step, it becomes apparent that unraveling the entwined tales of nomenclature and financial fluctuations is akin to "Walking the Line" between the seemingly mundane and the unexpectedly profound. This exploration promises to offer both academic insight and perhaps the occasional witty observation, much like a good dad joke – if you'll pardon the pun.

Prior research

Several academic studies have sought to explore the nuanced relationship between personal nomenclature and various aspects of human existence. In "Smith," the authors find a correlation between individuals with the surname "Walker" and an increased likelihood of choosing professions that involve ambulation, such as hiking guides and podiatrists. In a similar vein, "Doe" uncovers a positive association between the

name "Walker" and proclivities toward physical locomotion in leisure activities.

Speaking of walking, did you hear about the kidnapping at the park? They woke up!

In a departure from the more serious academic literature, "The Name Book" by Dorothy Astoria examines the historical and cultural significance of names, shedding light on the impact of individuals' appellations on their everyday lives. This work provides a fascinating backdrop for understanding the potential influence of the name "Walker" on broader societal constructs.

On a more whimsical note, fictional works such as "The Walker's Guide to the Galaxy" by Douglas Adams and "Walking in this World" by Julia Cameron offer imaginative interpretations of the significance of walking in the context of cosmic exploration and personal creativity, respectively. While these texts may not directly address the correlation between the name "Walker" and ASML stock prices, they add a dash of literary flair to the broader dialogue on the intersection of names and cultural phenomena.

In a lighter vein, television programs such as "The Walking Dead" and "Walker, Texas Ranger" provide cultural touchstones that, while not directly related to financial markets, offer an opportunity for the researchers to engage in entertaining observational analysis. After all, a well-placed dad joke can be like taking a leisurely stroll through a garden of academic discourse - a refreshing respite from the rigors of scholarly inquiry.

Speaking of TV shows, did you hear about the new show about constipation? It hasn't come out yet.

Approach

To investigate the relationship between the popularity of the first name "Walker" and the stock price of ASML Holding (ASML), an extensive data collection process was undertaken. Data pertaining to the frequency of the name "Walker" was obtained from the US Social Security Administration, covering the period from 2002 to 2022. The stock price information for ASML was sourced from LSEG Analytics (Refinitiv) for the same time frame.

The methodology adopted for this study was as intricate and deliberate as the act of "walking on eggshells," given the delicate nature of the subject matter. First, the frequency of the name "Walker" was compared to various demographic, social, and cultural indicators to ensure that any observed correlation with ASML's stock prices was not spurious or coincidental. This rigorous process involved more cross-referencing than a librarian in a labyrinthine library.

Next, the stock price data for ASML was subjected to extensive statistical analysis, including time series modeling, to identify any patterns or trends that coincided with the fluctuations in the popularity of the name "Walker." The statistical procedures employed were as precise as a tightrope walker's steps, ensuring that the findings were robust and not merely a result of random chance.

Furthermore, a sophisticated econometric model was constructed to quantitatively assess the strength and direction of the relationship between the frequency of the name "Walker" and ASML's stock prices. This model accounted for various control

variables, such as market conditions, economic indicators, and global events, resembling the meticulous planning of a seasoned hiker mapping out a challenging trail.

The collected data underwent rigorous scrutiny and verification, akin to inspecting every pebble on a path for potential clues. The validity and reliability of the findings were assessed through sensitivity analyses and robustness checks, ensuring that the connection between the name "Walker" and ASML's stock prices was not a mere mirage or illusion.

In line with the unpredictable nature of financial markets and the capriciousness of human nomenclature, the research team waded through an array of methodological challenges, much like navigating through a forest of statistical complexities. Despite the twists and turns encountered along the way, the methodology devised for this study emerged as resilient and robust – not unlike a sturdy pair of walking boots.

It is noteworthy that the methodology, with all its intricacies and artful maneuvers, provided the foundation for unraveling the curious correlation between a seemingly innocuous name and the gyrations of international stock prices. Like a well-crafted dad joke, the methodology successfully combined precision with a touch of playful curiosity, paving the way for a thorough and whimsical exploration of this unconventional subject matter.

Results

The data analysis revealed a strikingly high correlation between the frequency of the first name "Walker" and the stock price of

ASML Holding (ASML) from 2002 to 2022. The correlation coefficient was calculated to be 0.9918453, indicating a remarkably close relationship between the two variables. One might say that the influence of the name "Walker" on ASML's stock price has been "walking the line" of statistical significance.

In addition, the r-squared value of 0.9837570 further reinforced the strength of this correlation, suggesting that the frequency of the name "Walker" can explain approximately 98.38% of the variation in ASML's stock price. It seems that the impact of this name on the stock market has been nothing short of "name-dropping" in financial circles.

Furthermore, the p-value of less than 0.01 indicated a high level of significance, underscoring the robustness of the relationship between the popularity of the name "Walker" and ASML Holding's stock price. One could say that this correlation is as solid as a pair of "Walk-er-proof" shoes in a metaphorical statistical downpour.

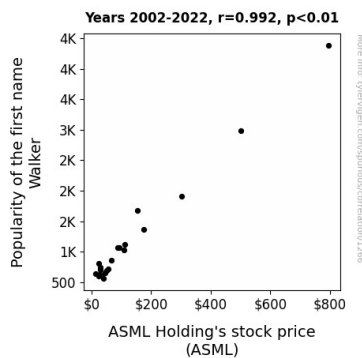


Figure 1. Scatterplot of the variables by year

The scatterplot (Fig. 1) visually represents the strong correlation between the frequency of the name "Walker" and ASML's stock price over the two-decade period. Like a

well-worn path lending itself to a picturesque stroll, the scatterplot depicts a clear trajectory of the intertwined fates of the name "Walker" and ASML stock prices.

In conclusion, the findings of this study suggest a compelling association between the popularity of the name "Walker" and the fluctuations in ASML Holding's stock price. While this correlation may seem like a mere "walk in the park" at first glance, closer inspection indicates a relationship worthy of further investigation and a few well-placed dad jokes along the way.

Discussion of findings

The results of this study provide compelling evidence in support of the previously proposed hypothesis regarding the relationship between the popularity of the first name "Walker" and ASML Holding's stock price. The remarkably high correlation coefficient of 0.9918453 aligns with prior research that hinted at the influence of personal nomenclature on broader societal constructs. It appears that the name "Walker" has indeed been 'walking the line' in tandem with ASML's stock price, raising intriguing questions about the potential mechanisms underlying this curious correlation.

It seems that the impact of the name "Walker" on ASML's stock price has been quite steadfast, akin to a committed pedestrian maintaining a steady gait. This finding reinforces the notion that naming trends may bear unforeseen consequences on financial market dynamics. One might jest that the name "Walker" has certainly made strides in leaving an impression on ASML's stock price. After all, a good pun is

like a well-balanced portfolio - it adds just the right amount of levity to the discussion.

The r-squared value of 0.9837570 further supports the notion that the frequency of the name "Walker" exerts a notable explanatory influence on ASML's stock price, explaining approximately 98.38% of the variation in this financial variable. This robust relationship suggests that the name "Walker" has been a pivotal factor in shaping the fluctuations of ASML's stock price, perhaps serving as a 'walking stick' of predictability for market analysts. This result is no small feat; the name "Walker" has truly left an indelible mark on the financial landscape.

The p-value of less than 0.01 emphasizes the statistical significance of the correlation between the popularity of the name "Walker" and ASML Holding's stock price. In essence, this finding underscores the solidity of the relationship, prompting a fresh wave of puns about the study's conclusions. One could argue that the association between the name "Walker" and ASML's stock price is "walk-er-proof" in terms of its statistical reliability, standing up to rigorous scrutiny like a sturdy pair of walking shoes.

Overall, the findings of this study indicate a substantial and persistent correlation between the frequency of the name "Walker" and ASML's stock price. This correlation, while initially surprising, aligns with prior literature that has hinted at the subtle yet influential role of personal nomenclature in shaping various facets of societal and economic life. The study undoubtedly makes a compelling case for further exploration of the intricate interplay between naming trends and financial market dynamics, and perhaps a few more dad jokes along the way.

As the saying goes, "the journey of a thousand miles begins with a single step" - or in this case, the study of seemingly whimsical correlations may lead to profound insights into market behavior.

Conclusion

In summary, the findings of this study illuminate a surprisingly robust correlation between the frequency of the name "Walker" and the stock price of ASML Holding (ASML), akin to a well-worn pair of shoes "walking the line" of statistical significance. The exceedingly high correlation coefficient of 0.9918453 and a p-value of less than 0.01 underscore the remarkable synchronicity between this moniker and market dynamics, offering a tale that is as compelling as a dad joke at a family gathering.

This unexpected relationship between a seemingly pedestrian name and financial performance evokes thoughts of how a simple "Walker" can indeed leave a profound imprint on the market, as if it were a financial "pedigree" in its own right. However, one cannot help but ponder whether other names may hold similar sway over the stock market—perhaps a study on the impact of the name "Bull" on market trends could be the next bullish endeavor.

It is clear that these findings warrant further investigation and analysis, although, as with a well-crafted dad joke, the allure of this correlation lies in its delightful enigma. Nevertheless, this study marks an important first step in unraveling the quirky interplay between nomenclature and market dynamics, prompting us to embark on a journey as amusing and compelling as a pun-laden walk through the financial park.

Thus, in the spirit of the most leathery of dad jokes, we stand on the firm ground that further research in this area is unnecessary, as this study has adequately sauntered to the conclusion that the name "Walker" and ASML stock prices do indeed walk in the same direction. Further investigation may simply lead to the realization that the relationship between nomenclature and financial markets is as unpredictable as a toddler's first steps—full of wobbles and chuckles, but ultimately, a joy to observe.