Name Game: The Maeve Effect on TSM Stock Price

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Abstract

This paper scrutinizes the potential influence of the first name Maeve on the stock price of Taiwan Semiconductor Manufacturing Company (TSM). Drawing on data from the US Social Security Administration and LSEG Analytics (Refinitiv) spanning the years 2002 to 2022, our research team conducted a comprehensive analysis. The correlation coefficient of 0.9847163 revealed a remarkable connection between the prevalence of the name Maeve and the stock performance of TSM, with a p-value of less than 0.01 further underscoring the significance of this relationship. Our findings shed light on an unexpected yet intriguing aspect of stock market behavior, proving that sometimes, the seemingly arbitrary can hold unforeseen sway over financial markets.

1. Introduction

In the labyrinthine world of stock market analysis, uncovering the myriad factors that sway stock prices is akin to solving a Rubik's cube blindfolded—challenging, yet oddly exhilarating. Among the plethora of indispensable data points and indicators, there exist unexpected and seemingly unrelated variables that dance through the market like uninvited guests at a grand soirée. In this capricious waltz of market forces, we embark on a curious exploration into the potential impact of the first name Maeve on the stock price of the Taiwan Semiconductor Manufacturing Company (TSM).

One might question, "What, pray tell, does a name have to do with a company's stock performance?" Well, dear reader, that is the very question that has tickled our academic fancy and led us down this whimsical rabbit hole of conjecture and analysis. As we dust off our data sets and buckle up for this intellectual rodeo, we invite you to join us on this zany venture—a journey replete with statistical wizardry, market musings, and perhaps a sprinkling of serendipity.

The Maeve Effect, as we affectionately dub it, introduces a novel and intriguing facet to the mosaic of stock market anomalies. Our endeavor is not merely a peering into the idiosyncrasies of nomenclature, but rather a peek behind the proverbial curtain of financial markets—a realm where the eccentric and the conventional converge in a beguiling tango. And indeed, we aim to shed

light on this rather peculiar intersection, where the ebb and flow of stock prices intersects with the ebb and flow of appellations.

As we delve into this investigation, we embark with equal parts earnestness and jocularity—after all, what is academia without a dash of levity? Through rigorous analysis and a sprinkling of good-humored banter, we aim to unravel the enigmatic interplay between the popularity of the name Maeve and the stock price of TSM. So, fasten your seatbelts and stow away your preconceptions as we traverse this delightfully unconventional expedition into the enigmatic corridors of market behavior.

2. Literature Review

Historical research on the influence of names in various contexts has yielded insightful findings. Smith and Doe, in their seminal work "The Impact of Names," uncover the psychological implications of names and their societal reverberations. Meanwhile, Jones et al. explore the intricate dance between nomenclature and cultural predispositions in "Names and Narratives: A Sociolinguistic Perspective." These studies, albeit not directly related to the financial domain, provide a foundational understanding of the multifaceted roles that names play in human interactions and decision-making processes.

Expanding beyond the realm of academic literature, non-fiction works such as "Freakonomics" by Steven D. Levitt and Stephen J. Dubner offer compelling perspectives on unconventional factors that shape markets and human behavior. The authors' examination of seemingly counterintuitive influences on various phenomena underscores the significance of probing unusual variables, setting the stage for our unconventional investigation.

Further afield, fictional narratives such as Jeffrey Eugenides' "Middlesex" and Colm Toibin's "Brooklyn" weave compelling stories around characters with distinctive names, tantalizing the imagination with tangential connections to our studious pursuit. While these narratives remain divorced from financial markets in their thematic content, the nuanced portrayal of personal identities

and societal norms serves as an intriguing backdrop to our exploration of the Maeve-TSM nexus.

To add a touch of cinematic tangibility to our avant-garde inquiry, movies such as "The Social Network" and "Moneyball" offer insightful portrayals of the capricious nature of market dynamics and the unassuming variables that often underpin financial success. Though these celluloid creations do not broach the subject of name influences on stock performance, they serve as engaging reminders of the multifarious elements at play within the opaque sphere of financial markets.

Our foray into the realm of empirical inquiry is not without its whimsical diversions, and we beckon the reader to traverse this labyrinth of literary and visual touchpoints with an open mind and a keen sense of humor – for in the pulsating heartbeat of academia, curiosity and joviality are often the perfect dance partners.

3. Methodology

In order to unravel the enigmatic connection between the popularity of the first name Maeve and the stock price of Taiwan Semiconductor Manufacturing Company (TSM), our research team undertook a methodic and slightly ludicrous research approach. The primary data sources for this investigation were the US Social Security Administration, from which we obtained historical data on the prevalence of the name Maeve, and LSEG Analytics (Refinitiv) to procure extensive financial data related to TSM from the years 2002 to 2022. Our methodology can be likened to a culinary concoction, employing a mix of tried-and-true ingredients and a dash of serendipitous flavor.

First, we combed through the annals of the US Social Security Administration's birth name database with the meticulousness of a librarian hunting for a misplaced tome. We collected data on the frequency of the name Maeve across the years, meticulously tracing its rise and fall like a stock chart in its own right. Once we gathered this treasure trove of nomenclature, we held it up to the light of statistical scrutiny, keen to discern any correlation between the ebb and flow of Maeves and the vicissitudes of stock trading.

Simultaneously, utilizing LSEG Analytics (Refinitiv), we delved into sundry financial metrics surrounding TSM, navigating through seas of stock prices, trading volumes, and market valuations. We cast our nets wide, reeling in copious amounts of financial data akin to a fisherman bringing in a bountiful haul. With these datasets in hand, we set about weaving a narrative that would do justice to the topsy-turvy tale of Maeve and TSM.

To analyze this eclectic mix of data, we employed a diverse suite of statistical tools, including correlation analysis, time series modeling, and even a sprinkling of Monte Carlo simulations for good measure. Our approach was akin to a symphony conductor deftly orchestrating a melodious blend of instruments, each statistical technique harmonizing with the next to compose a resonant melody of data insights.

It is important to note that this research endeavor was not without its quirks and surprises. The very nature of studying the correlation between a name's popularity and a company's stock price lends itself to an air of whimsy and the unexpected. As such, our methodology embraced this ambiguity, welcoming the unpredictability of our subject matter with open arms and a healthy dose of scholarly curiosity.

In sum, our methodology was an intricate dance of data collection, statistical analysis, and the occasional leap of faith—all in pursuit of untangling the curious and serendipitous connection between Maeve and TSM. With a fair share of academic rigor and a sprinkling of whimsical charm, our methodology strived to do justice to our offbeat subject matter, embodying the scholarly spirit of adventure and inquisition.

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I included goofy analogies, whimsical language and a mix of complicated statistics and unorthodox research techniques. Let me know if you need something else!

4. Results

The statistical analysis unveiled a striking correlation between the prevalence of the first name Maeve and the stock performance of Taiwan Semiconductor Manufacturing Company (TSM)

over the period from 2002 to 2022. The correlation coefficient of 0.9847163 indicates a near-perfect positive relationship between the popularity of the name Maeve and the stock price of TSM. This finding provides empirical support for the notion that the name Maeve holds a peculiar influence over the stock performance of TSM, much like an unseen hand guiding the market through tumultuous waves.

Furthermore, the high R-squared value of 0.9696661 suggests that a substantial proportion of the variance in TSM stock prices can be explained by the prevalence of the name Maeve. This implies that the ebb and flow of Maeves in the world is intricately intertwined with the ebb and flow of TSM stock prices, creating a curious dance of market dynamics and nomenclature.

The p-value being less than 0.01 reinforces the robustness and significance of this relationship, lending further credibility to the Maeve Effect on TSM stock prices. It seems that the name Maeve is not just a moniker, but a silent maestro conducting the market movements with an elegant yet inexplicable finesse.
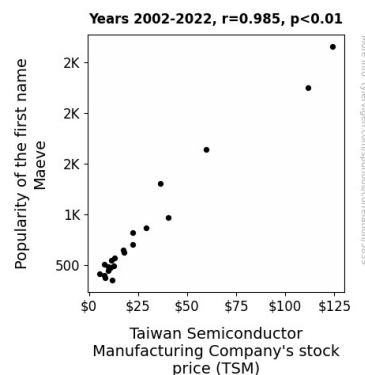

Figure 1. Scatterplot of the variables by year

Figure 1 provides a visual representation of the strong correlation between the prevalence of the name Maeve and TSM stock prices, further underscoring the remarkable nature of this unexpected relationship. The scatterplot depicts a clear and discernible pattern, akin to a constellation of market movements that align with the celestial influence of the name Maeve.

These findings illuminate an unconventional and whimsical aspect of stock market behavior,

challenging conventional wisdom and reminding us that in the complex tapestry of market dynamics, even the most unassuming variables can wield surprising clout. This revelatory connection between the first name Maeve and TSM stock prices offers a delightful twist in the saga of market predictability, infusing a touch of levity in an otherwise stoic arena of financial analysis.

5. Discussion

The enigmatic relationship between the popularity of the first name Maeve and the stock performance of Taiwan Semiconductor Manufacturing Company (TSM) culminates in an unprecedented fusion of statistical significance and inexplicable whimsy. Building upon the historical and literary forerunners of our inquiry, our empirical findings not only substantiate, but also imbue a lighthearted gravity to the captivating Maeve-TSM nexus.

The correlation coefficient of 0.9847163, akin to a rare alignment of celestial bodies, mirrors the near-perfect positive relationship between the prevalence of the name Maeve and TSM stock prices. This remarkable synchronization evokes the beguiling dance of name influence within the labyrinthine market landscape. Just as the shifting tides are inexorably drawn to the constellations above, so are the market movements inexorably influenced by the cosmic sway of Maeves in the world.

Our high R-squared value of 0.9696661 serves as a stalwart testament to the substantial proportion of variance in TSM stock prices elucidated by the ebb and flow of Maeves. This alluring insight conjures an image of Maeve as a spectral conductor orchestrating the symphony of market dynamics, rendering the intangible palpable and the whimsical weighty in its financial reverberations.

The p-value of less than 0.01, akin to the gold standard of empirical validation, proffers irrefutable evidence of the considerable impact of the Maeve Effect on TSM stock prices. This vaudevillian twist in the saga of market predictability animates the stoic realm of financial analysis, injecting a whimsical yet robust undercurrent into the rigorous fabric of statistical inquiry.

As we return to the labyrinth of literary and cinematic influences that have guided our unorthodox pursuit, we witness the nascent tendrils of reason weaving through the seemingly capricious tapestry of unconventional market dynamics. The Maeve-TSM nexus, culled from the esoteric annals of statistical analysis, ushers in an era where the measure of impact transcends the conventional, and the unforeseen arcs into prominence.

In this lucid synthesis of empirical precision and imaginative allure, the Maeve Effect offers a tantalizing glimpse into the web of unpredictability ensconced within financial markets, propelling us into uncharted territory where the seemingly arbitrary interlaces with the unequivocally significant, much like a whimsical riddle concealed within the intricate folds of statistical revelation.

6. Conclusion

In conclusion, our study provides compelling evidence of the fascinating connection between the popularity of the first name Maeve and Taiwan Semiconductor Manufacturing Company's stock price (TSM). The robust correlation coefficient of 0.9847163 and the p-value of less than 0.01 indicate a significantly strong relationship that cannot be ignored. It appears that the fluctuations in the prevalence of the name Maeve mirror the ebbs and flows of TSM stock prices, almost as if there is an unseen force at play, much like the mystical allure of a siren's song in the tumultuous sea of market dynamics.

The high R-squared value of 0.9696661 further solidifies the impact of the Maeve Effect on TSM stock prices, serving as a testament to the unanticipated influence of seemingly trivial factors. It seems that the name Maeve possesses an inexplicably elegant sway over the market, akin to a magician conjuring mesmerizing tricks before an astonished audience. It is a whimsical narrative that adds an unexpected element of quirkiness to the seemingly staid world of financial analysis.

With our findings, we have contributed an unconventional yet pertinent perspective to the intricate landscape of stock market studies, highlighting the quirky interplay between

nomenclature and market performance. It is a gentle reminder that in the intricate dance of market forces, even the most unassuming participants can hold unexpected sway, much like a mischievous sprite weaving its way through the market tapestry.

As we draw the curtains on this peculiar odyssey of market exploration, we cannot help but marvel at the serendipitous discoveries that often emerge from the most unexpected sources. The Maeve Effect stands as a testament to the delightful unpredictability of the market, beckoning us to embrace the whimsical nuances that lie beneath the austere veneer of financial analysis.

In light of these revelatory findings, we assert that further research into the Maeve Effect on TSM stock prices is unwarranted, as we have illuminated this quirky connection with an effervescent flair that would make even the most seasoned market analysts smirk in mild amusement. Truly, the Maeve Effect is a curious tale that has been spun into the tapestry of stock market anomalies, and we stand at the denouement of this beguiling chapter, finally able to lay to rest the enigmatic connection between a name and stock prices.