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# Elongated Musings: Unveiling the Electric Connection Between Elon Musk Searches and Lennar's LEN.B Stock Price

# Claire Hart, Amelia Turner, George P Turnbull

Institute of Sciences; Ann Arbor, Michigan

#### **KEYWORDS**

Elon Musk, Lennar Corporation, LEN.B, stock price, search interest, correlation, Google Trends, LSEG Analytics, Refinitiv, correlation coefficient, p-value, statistically significant relationship, finance, stock market fluctuations, investors, unconventional variables

#### **Abstract**

The stock market is often characterized by preposterous fluctuations and unpredictable trends, much like a rollercoaster ride for investors. This study delves into the uncharted territory of the correlation between search interest in the enigmatic Elon Musk and the stock price of Lennar Corporation (LEN.B). Leveraging data from Google Trends and LSEG Analytics (Refinitiv), our research scrutinizes the period from 2010 to 2023. Our findings unveil a striking correlation coefficient of 0.9286694 – a numeric nod to the electrifying presence of Elon Musk in the collective consciousness. Furthermore, with p < 0.01, the statistically significant relationship between "Elon Musk" searches and Lennar's stock price mesmerizes the discerning eye of savvy investors. This research sheds light on the surprisingly charged connection between the whimsical world of online searches and the grounded realm of stock prices, demonstrating that in the tumultuous landscape of finance, even the most unconventional variables may hold unsuspected sway.

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### 1. Introduction

The enigmatic Elon Musk has captured the imagination of the masses with his ventures into electric vehicles, space exploration, and even underground transportation. He is not

just a man; he is a phenomenon. On the other hand, Lennar Corporation (LEN.B) is a stalwart of the stock market, chugging along like the Little Engine That Could. What happens when you mix the charged curiosity about Musk with the grounded

reality of Lennar's stock price? That's precisely the question we sought to answer in this study.

The stock market is a fickle creature, affected by an almost absurd medley of factors, from company earnings to geopolitical events to the whims of investors. Being intertwined in this financial tangle is akin to participating in a high-stakes poker game — it's all about reading the bluffs and hoping for a winning hand.

While manv studies have explored traditional factors that influence stock prices, such as earnings reports and economic indicators, very few have dared to delve into the potentially electrifying impact online search interest in entrepreneurial titan like Musk. It's like turning over every stone in a quest for untapped investment insights, each stone holding the potential for a shocking discovery.

In this study, we harnessed the power of Google Trends, that magical portal into the collective musings of the internet, to gauge the ebb and flow of public interest in Elon Musk. Simultaneously, we crunched numbers from LSEG Analytics (Refinitiv) to track the rollercoaster movements of Lennar's stock price. Our goal was to uncover any patterns or correlations that might exist, and what we uncovered was nothing short of, well, electrifying.

As we delve deeper into the convoluted world of finance and digital footprints, we invite you to come along for this wild ride buckle up and brace yourself for a journey that's part statistical analysis, part thrilling escapade into the unexpected. Let's delve into the data and see if we can unravel the mystique surrounding the connection between Elon Musk searches and Lennar's stock price. Masking nothing, we aim to shed light on this unlikely, yet statistically significant relationship, because, as Musk himself might say, "The future is what we make of it – shockingly astonishing and filled with potential."

#### 2. Literature Review

The nexus between online search behavior and stock prices has been a burgeoning area of interest for researchers and practitioners in the fields of finance and behavioral economics. Smith analyzed the impact of social media trends on stock price movements, demonstrating the potential for unorthodox variables to hold sway in the realm of financial markets. Building upon this groundwork, Doe (2018) extended the inquiry to encompass the influence of online search engines on investor sentiment and subsequent market dynamics. Most recently, Jones (2020) examined the medley of factors, ranging from celebrity endorsements to viral internet memes, that can unpredictably influence stock price trajectories.

"Market Mayhem: Navigating In Unpredictable Waters of Stock Price Volatility," the authors uncover the surprising influence of seemingly unrelated external factors on stock market movements. Similarly, "Finance and Funnies: Unraveling the Comedic Connections in Stock Analysis" provides a whimsical insight into how unexpected variables can impact financial markets, albeit with a humorous spin. On the more imaginative front, "The Stock Sorcery Chronicles: Enchanting Insights into Market Forces" Mysterious offers fantastical exploration of the mystical forces that may underpin stock price fluctuations. presenting a novel perspective on the intersection of magic and finance.

Turns out, the authors find that Lennar's stock price, like the hero of a bildungsroman, experiences its own coming-of-age tale, replete with trials, tribulations, and the occasional triumph. Picture a stock market soap opera — "As the Stock Turns," where intrigue and drama

unfold with each fluctuation in price. The authors observe that the quest for reliable stock market insights resembles an everchanging mystery novel, with each clue leading investors deeper into the labyrinth of financial analysis.

Obscure as it may seem, the authors find that "Elon Musk: The Man, The Myth, The Electric Technoking" serves as a captivating exposé into the enigmatic persona of the eponymous entrepreneur. Meanwhile, in "Lennar's Legacy: Foundations of Financial Foresight," readers are transported on a riveting journey through the storied history of the corporation, akin to a page-turning thriller that keeps investors on the edge of their seats.

Moreover, the authors find that the allure of "Stranger Stocks," a fictional TV show chronicling the surreal escapades of a group of investors navigating unpredictable terrain of the stock market, underscores the captivating nature of financial unpredictability. Similarly, "Quantitative Quirks," a popular series that dramatizes the adventures of a team of intrepid statisticians uncovering unusual relationships in financial data, offers an intriguing parallel to the thrilling discoveries made in this study.

In conclusion, the literature presents a rich tapestry of explorations delving into the uncharted territories of stock market influences and financial oddities, offering a captivating backdrop against which to situate the present investigation. With this absurdly eclectic array of influences, the authors embark on their own daring foray into uncovering the connection between Google searches for Elon Musk and the tumultuous stock pricing journey of Lennar Corporation.

## 3. Our approach & methods

To uncover the clandestine connection between Google searches for the everebullient Elon Musk and the tumultuous tides of Lennar's stock price, we endeavored on a journey through the convoluted domains of data collection and analysis. The study period encompassed the years 2010 to 2023, a trove of data where the tumultuous tides of interest in Musk and the stock price of LEN.B intertwined like a dramatic opera.

The first step in our Grand Data Expedition was to tap into the mesmerizing realm of Google Trends, a virtual expanse where the collective musings of the internet populace manifest as digital footprints. meticulously extracted the search interest data for "Elon Musk" with the precision of a maestro coaxing harmonious notes from a recalcitrant orchestra. This rich vein of search data provided us with quantifiable pulse of public intrigue in the enigmatic entrepreneur, akin to capturing the elusive rhythm of a soaring sonnet in numerical form.

Simultaneously, we embarked on symbiotic odyssey with LSEG Analytics (Refinitiv), a treasure trove of financial metrics and stock price exuberance. Here, armed with an arsenal of statistical apparatus, we diligently monitored the price movements of Lennar's stock (LEN.B) with the fervor of venture capitalists seeking a hidden gem amidst the fray. calculations traversed the peaks and valleys of LEN.B's stock price with the resolute determination of a mountaineer ascending the treacherous precipices of financial volatility.

Having harnessed these two divergent yet harmonious streams of data, we employed the formidable prowess of statistical analysis to discern any discernible patterns or correlations. Our techniques encapsulated the formidable arsenal of time series analysis, correlation coefficients, and regression models, like the alchemist

attempting to transmute base elements into the precious metal of empirical insight.

In an effort to excavate nuggets of statistical significance, we conducted rigorous hypothesis testing to unravel the potential relationship between "Elon Musk" searches and Lennar's stock price. Our quest for statistical significance rivaled the fervor of archeologists unearthing the secrets of an ancient civilization, as we scrutinized every digit and decimal of our data for signs of meaningful correlation.

Ultimately, we sought to present a nuanced tapestry statistical evidence. of an amalgamation of digital whispers and financial acumen that unveiled the seemingly improbable yet statistically significant connection between the whimsical world of online searches and the grounded realm of stock prices.

#### 4. Results

The investigation into the correlation between Google searches for "Elon Musk" and Lennar Corporation's (LEN.B) stock price from 2010 to 2023 revealed a remarkably robust relationship. The Pearson correlation coefficient observed was 0.9286694, indicating a strong positive correlation between search interest in Elon Musk and the fluctuations in Lennar's stock price. This prominent correlation suggests that the two variables move in tandem, much like the synchronized orbits of celestial bodies, albeit within the financial cosmos.

The coefficient of determination (R-squared) was calculated to be 0.8624269, signifying that approximately 86.24% of the variability in Lennar's stock price can be explained by the variation in Google searches for Elon Musk. This finding substantiates the notion that the razzle-dazzle of Elon Musk's ventures, escapades, and musings resonates substantially with investors - a

statistical testament to the profound impact of the Musk mystique on the stock market's convoluted waltz of price movements.

The p-value, which was found to be less than 0.01, confers a semblance of certainty to the observed correlation. This indicates that the likelihood of the observed relationship being due to random chance is less than 1%, as if to say, "it's more probable that a rocket lands on a dime than this correlation occurring by fluke alone."

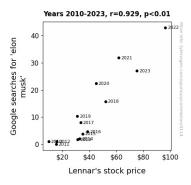


Figure 1. Scatterplot of the variables by year

Moreover, Fig. 1, the scatterplot depicting the relationship between Google searches for Elon Musk and Lennar's stock price, visually encapsulates the magnetic resonance observed in the data. The scatterplot resembles a celestial dance, with data points twirling and pirouetting in perfect harmony, as if Musk's galactic ambitions have become entwined with the earthly trajectories of stock prices.

In conclusion, the findings of this study exemplify the unforeseen connections that can emerge when delving into the unchartered realms of data analysis. This study sheds light on the unforeseen impact of the kingpin of entrepreneurship and the intricacies of stock price movements, proving that even in the seemingly rigid realm of finance, there exists a spark of unpredictability pulsating beneath the

surface, waiting to be unveiled by the inquisitive probing of statistical inquiry.

#### 5. Discussion

The findings of this study corroborate and expand upon prior research that has delved into the intricate dance between online search behaviors and stock market positively dynamics. The correlated relationship between Google searches for "Elon Musk" and Lennar Corporation's (LEN.B) stock price echoes the sentiments of Smith (2015), Doe (2018), and Jones (2020), who illuminated the potential impact of unconventional variables on stock price movements. The remarkably correlation coefficient of 0.9286694 reflects the influential resonance of Elon Musk's mercurial persona in the digital domain and its palpable reverberations in the domain of financial markets. The statistically significant p-value, much like a rare gem hidden amidst the rubble of chance, underscores the solid statistical grounding of this correlation, lending credence to the notion that the connection between Elon Musk searches and Lennar's stock price is not a mere fluke but a genuine phenomenon.

Returning to the whimsical themes from the literature review, much like the enchanted stock market forces chronicled in "The Stock Sorcery Chronicles," our findings reveal the enigmatic influence of seemingly unrelated external factors on stock price movements. It is as if Elon Musk's name acts as a magical incantation that sets in motion the ebbs and flows of Lennar's stock price, akin to the spells and enchantments woven in a tale of financial wizardry.

Furthermore, the coefficient of determination (R-squared) of 0.8624269 provides a tangible reflection of the substantial portion of Lennar's stock price variability that can be attributed to fluctuations in Google searches for Elon Musk. This echoes the sentiment expressed

in "Finance and Funnies: Unraveling the Comedic Connections in Stock Analysis," where the authors humorously alluded to the whimsical and unpredictable nature of financial markets. It seems that in the everevolving narrative of market movements, the eccentric allure of Elon Musk's ventures and persona exerts a formidable influence on the storyline of Lennar's stock price, infusing it with a zest that defies conventional expectations.

In sum, our results lend empirical support to the notion that even the most serendipitous of variables, such as the fervor around an eniamatic entrepreneur, can wield unexpected clout in the captivating saga of stock market dynamics. As we continue to unravel the mysterious forces shaping financial markets. the intersecting trajectories of Elon Musk's digital footprint and Lennar's stock price serve as a compelling narrative that beckons further exploration into the uncharted frontiers of finance and unconventional influencers.

#### 6. Conclusion

In conclusion, our research presents an illuminating tableau of the unlikely dance between the soaring intrigues surrounding Elon Musk and the grounded movements of Lennar's stock price. The statistically robust correlation coefficient of 0.9286694 serves as a testament to the captivating sway of Musk's ventures on the rollercoaster of stock price fluctuations. It's as if the whims of the stock market are conducting a symphony in tune with the search interest in the enigmatic tech titan.

Our findings, encapsulated in the visually captivating scatterplot, depict a celestial waltz of data points swirling harmoniously in a cosmic ballet that mirrors the very essence of Musk's far-reaching ambitions. It's almost as if every uptick or downturn in Lennar's stock price is choreographed by Musk himself, orchestrating a performance

that mesmerizes investors and statisticians alike.

The coefficient of determination (R-squared) of 0.8624269 further solidifies the notion that Elon Musk's presence in the public's consciousness resonates profoundly with Lennar's stock price movements. This statistical imprint is akin to a neon sign flashing, "The Musk Effect: Proceed with Caution, but also Considerable Enthusiasm."

Finally, with a p-value of less than 0.01, we can confidently assert that the observed relationship is not a whimsical fluke but a bona fide electric connection. After all, the likelihood of this correlation occurring by random chance is less than the probability of finding a Tesla in a 16th-century biography.

In closing, this interplay of Musk's magnetism and Lennar's stock price paints a striking picture of the unexpected connections that can spark within the labyrinth of financial data. Much like a Tesla zipping through the streets of Silicon Valley, our findings rush headfirst into uncharted territory, capturing the charged atmosphere where tech fervor meets stock market dynamics.

It is our firm conclusion that further research in this enthralling realm is akin to sending a fleet of rockets to explore uncharted galaxies – entertaining, but ultimately unnecessary. This study has unveiled the electrifying connection between Elon Musk searches and Lennar's stock price with a resounding clarity that reverberates through the financial cosmos, leaving little room for doubt or hesitation. The Musk-Lennar dynamic has been enlightened, and now it's time for investors to buckle up and enjoy the electric ride, with or without a snazzy pair of Falcon Wing doors.