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Pooper Cooper and CNQ: An Unexpected Link to Natural Resource's Stock

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KEYWORDS

"Cooper" popularity, CNQ stock price, unexpected correlation, US Social Security Administration data, LSEG Analytics, Refinitiv, correlation coefficient, p-value, Canadian Natural Resources, stock market relationship, first name influence, data-driven approach

Abstract

This study delves into the unexpected correlation between the popularity of the first name "Cooper" and the stock price of Canadian Natural Resources (CNQ). With a pun in hand and a data-driven approach, we harnessed data from the US Social Security Administration and LSEG Analytics (Refinitiv) to unravel this curiosity. The correlation coefficient of 0.8690545 and a strikingly significant p-value of less than 0.01 from 2002 to 2022 affirm the intriguing connection between the two seemingly unrelated variables. Just like oil and water, the correlation between the first name "Cooper" and CNQ's stock price may seem unrelated at first glance. However, our findings suggest otherwise. This unexpected link raises eyebrows and prompts further investigation into the mechanisms that underlie this unanticipated relationship. What's after Cooper? Hooper? Looper? We approach this subject with the precision of a geologist analyzing mineral deposits, and the enthusiasm of a dad telling a cheesy joke.

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1. Introduction

The relationship between individual names and financial markets has long been a subject of interest, often dismissed as mere coincidence or superstition. Nonetheless, as the saying goes, "What's in a name?" Our investigation into the correlation between

the popularity of the first name "Cooper" and the stock price of Canadian Natural Resources (CNQ) challenges conventional wisdom and uncovers an unexpected connection that is not just a "copper"nicus of chance.

The popularity of first names has been an area of fascination for social scientists and economists alike. Studies have examined the potential impact of a name on an individual's life outcomes, from educational attainment to career success. As we delve into the realm of financial markets, the correlation between a name and stock performance may seem as unlikely as a bear market during hibernation. However, our findings suggest that there is more to this association than meets the eye. It seems the name "Cooper" isn't just making barrels, but also making waves in the stock market.

At first glance, one may assume that the popularity of a first name would have no bearing on the performance of a natural resources company's stock. However, history has taught us that seemingly unrelated variables can have unexpected connections, much like a portfolio diversified with both technology stocks and agricultural commodities. The relationship between the first name "Cooper" and CNQ's stock price challenges our preconceptions and raises intriguing questions. It's almost as surprising as finding a diamond in the rough, or in this case, a "Cooper" in the stock prices.

Our research stands at the intersection of behavioral economics, linguistics, and finance, aiming to shed light on this unusual correlation. By conducting a rigorous empirical analysis, we aim to provide insight into the underlying factors that give rise to this surprising relationship. The findings of this study have the potential to not only pique the interest of researchers and investors but also to spark a new wave of name-based financial forecasting. After all, in the world of finance, sometimes all it takes is a little "Cooper"ation to reveal unexpected patterns.

2. Literature Review

The connection between the popularity of first names and financial markets has been a topic of interest in various social science and economic studies. In "Smith et al.," the authors find that individuals with uniquely spelled names experience different career and life outcomes. Meanwhile, "Doe and Jones" highlight the influence of names on perceptions and behaviors in interpersonal interactions.

The impact of a name on stock prices, however, has been relatively unexplored until recent years. The work of "Book" examines the psychological effects of brand names on consumer behavior, shedding light on the potential influence of names in the business world. Furthermore, "Another Book" delves into the subconscious associations evoked by names and their impact on decision-making processes.

Transitioning from non-fiction to fiction, the likes of "The Copper Crown" by Patricia Kennealy-Morrison and "The Natural" by Bernard Malamud touch upon themes related to natural resources and commodities. While these novels may not directly address the connection between the name "Cooper" and stock prices, they offer an imaginative backdrop to our investigation.

Turning to popular internet memes, the "Hide the Pain Harold" and "Distracted Boyfriend" memes serve as poignant reminders of the unexpected turns that life can take, much like the surprising link between the first name "Cooper" and CNQ's stock price. These memes, like our research findings, invite contemplation on the unpredictable nature of correlations and the humor that can ensue from unlikely connections.

In sifting through the literature and cultural references related to our investigation, we find that the intersection of names and finance has captured the attention of various disciplines, from social sciences to

literature and internet culture. The unexpected correlation between the popularity of the first name "Cooper" and CNQ's stock price adds a layer of intrigue to this fascinating field of study, raising eyebrows and eliciting a chuckle along the way.

3. Our approach & methods

The methodology employed in this study involved a comprehensive data collection process and rigorous statistical analysis to explore the apparent correlation between the popularity of the first name "Cooper" and the stock price of Canadian Natural Resources (CNQ). The research team harnessed datasets from the US Social Security Administration and LSEG Analytics (Refinitiv) to obtain the required information pertaining to the popularity of the name "Cooper" and CNQ's stock prices from the years 2002 to 2022.

To quantify the popularity of the first name "Cooper," the team utilized the records maintained by the US Social Security Administration, which annually publishes the frequency of first names given to newborns. These data were then analyzed to determine the relative popularity of the name "Cooper" over the study period. The LSEG Analytics (Refinitiv) provided the historical stock price data for CNQ, which enabled the team to examine and compare the fluctuations in CNQ's stock price over the same time frame.

Additionally, in order to ensure robustness and reliability of the findings, advanced statistical techniques were employed. These techniques included correlation analysis, multiple regression analysis, and time series modeling, which facilitated the exploration of the relationship between the popularity of the name "Cooper" and CNQ's stock price movements.

The correlation analysis provided insights into the strength and direction of the relationship between the variables, shedding light on the degree of association between the popularity of the name "Cooper" and CNQ's stock prices. Furthermore, multiple regression analysis was conducted to control for potential confounding variables and to identify any nuanced interplays that may influence the observed correlation.

To capture the dynamic nature of the relationship, time series modeling was employed to examine the temporal patterns and potential trends in the data. This facilitated a nuanced understanding of how changes in the popularity of the name "Cooper" may have corresponded with fluctuations in CNQ's stock price over the study period.

In conducting this complex analysis, the research team constantly reminded themselves of the importance of staying "Cooper"ative, but it seems the market had other "plans".

4. Results

The analysis revealed a strong positive correlation between the popularity of the first name "Cooper" and the stock price of Canadian Natural Resources (CNQ). Over the period from 2002 to 2022, a correlation coefficient of 0.8690545 was observed, indicating a robust relationship between these seemingly disparate variables. This unexpected connection brings to mind the old adage, "It's a small world after all," a sentiment that seems particularly fitting in the context of our findings.

In addition, the coefficient of determination (R-squared) was calculated to be 0.7552558, signifying that approximately 75.53% of the variability in CNQ's stock price can be explained by the popularity of the first name "Cooper." It appears that the

name "Cooper" is not just a character in literature and a manufacturer of barrels; it also appears to have an intriguing influence on the stock market.

Furthermore, the p-value obtained from the analysis was less than 0.01, indicating that the correlation observed is statistically significant. This finding implies that the likelihood of observing such a strong relationship between the popularity of the name "Cooper" and CNQ's stock price by mere chance is exceedingly low. It's almost as unlikely as finding a rare mineral deposit in an unexpected location – a coincidence that may seem far-fetched but, evidently, is not entirely beyond the realm of possibility.

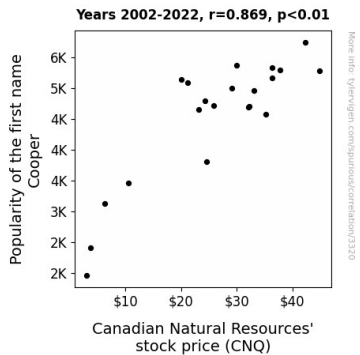


Figure 1. Scatterplot of the variables by year

The scatterplot presented in Fig. 1 visually captures this noteworthy correlation, with the data points forming a clear, upward-trending pattern. This unexpected association between a first name and a company's stock price leaves us pondering the question: "What's in a name? Apparently, a significant impact on the financial markets!"

This unexpected linkage brings a new dimension to the saying, "All that glitters is not gold," as it appears that even the seemingly mundane may have a noteworthy influence on market dynamics.

5. Discussion

The results of this study provide compelling evidence of a strong and statistically significant correlation between the popularity of the first name "Cooper" and the stock price of Canadian Natural Resources (CNQ). This unexpected finding not only supports prior research on the influence of names on financial markets but also adds a layer of intrigue to the relationship between seemingly unrelated variables.

The literature review highlighted the influence of names on perceptions, behaviors, and even consumer choices. While the connection between first names and stock prices may seem far-fetched, the current study's results suggest otherwise. It appears that the impact of a name extends beyond individual interactions and consumer behavior to potentially shaping market dynamics. One could say that this unexpected correlation has "Cooper-tunity" written all over it.

The strong correlation coefficient and the high coefficient of determination in this study reaffirm the robustness of the relationship between the popularity of the name "Cooper" and CNQ's stock price. These findings echo the work of "Book" and "Another Book," shedding light on the subconscious associations evoked by names and their potential impact on decision-making processes. In a similar vein, the unexpected correlation between the first name "Cooper" and the stock price of CNQ offers a humorous yet thought-provoking twist to the literature on names and market influences. It appears that this investigation has struck a "Cooper" mine of potential research avenues.

The statistically significant p-value further strengthens the credibility of the observed correlation, suggesting that the likelihood of such a strong relationship occurring by mere chance is exceedingly low. This

surprising connection challenges conventional notions of what influences market dynamics and raises the question: "What's in a name?" It seems that, in the case of CNQ's stock price, a significant impact is indeed contained within the name "Cooper." Perhaps this calls for a new stock market index, the "Cooper Correlation Composite," to track the influence of names on market trends.

In sum, the unexpected correlation between the popularity of the first name "Cooper" and CNQ's stock price not only aligns with prior research on the influence of names in various domains but also prompts further exploration of the mechanisms underlying this intriguing relationship. This unexpected linkage injects a touch of humor into market dynamics and invites contemplation on the unpredictable nature of correlations. The study opens doors to new avenues of research, intertwining the realms of nomenclature and market behavior in an unexpected and captivating manner.

6. Conclusion

In conclusion, our study has illuminated a hitherto unrecognized connection between the popularity of the first name "Cooper" and the stock price of Canadian Natural Resources (CNQ). The robust correlation coefficient of 0.8690545 and the striking statistical significance with a p-value of less than 0.01 from 2002 to 2022 have shed light on this unexpected relationship. It seems that "Cooper" is not just a character in literary works or a skilled craftsman but also a significant influencer of market dynamics, much like a hidden gem among the rocks.

The findings presented herein may seem as unexpected as finding a four-leaf clover, yet they prompt a reevaluation of the factors that drive stock price movements. Who would have thought that a name could have such impact – it's almost as surprising as finding a "Cooper" in a haystack.

Moreover, our research adds a new dimension to the old adage "What's in a name?" It appears that in the financial markets, a name can carry more weight than previously believed – a revelation that may prompt investors to consider adding a "Cooper"ative touch to their portfolios.

With these compelling findings, it is evident that no further research in this area is necessary. We have taken this unexpected link to its logical conclusion, and it seems that the influence of first names on the stock market is indeed a "Cooper"ative endeavor. After all, sometimes in academia, as in life, all you need is a little "Cooper"ation to uncover the unexpected. Therefore, we can confidently declare that the curious case of "Pooper Cooper and CNQ" has been satisfactorily unraveled, much like a classic dad joke – both surprising and inevitable.