



Review

Stellar Stock Surprises: Unveiling the Celestial Correlation Between Neptune and Uranus Distance and ONEOK's OKE Stock Price

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The relationship between astronomical phenomena and financial markets has long sparked curiosity, and our research delves into this entertaining intersection. Utilizing data from Astropy and LSEG Analytics (Refinitiv), we examined the intriguing connection between the distance separating Neptune and Uranus and the stock price of ONEOK (OKE). Surprisingly, our analysis unveiled a striking correlation coefficient of 0.8940301 with a p-value less than 0.01, indicating a statistically significant relationship. These astronomical bodies seem to be exerting a seemingly celestial influence on the terrestrial realm of stock prices, presenting a celestial conundrum for financial analysts. Our findings add a lighthearted twist to the financial world, showcasing that perhaps the stars have a whimsical role in shaping market trends.

The relationship between celestial bodies and earthly affairs has intrigued scholars and laypersons alike for centuries. While the idea of the cosmos influencing human events often seems more suitable for fortune tellers and horoscope enthusiasts, the notion of a connection between astronomical phenomena and financial markets is typically met with skepticism. However, the sheer abundance of data and the human inclination to seek patterns has led researchers to investigate the possibility of such a correlation. In this study, we explore the surprising correlation between the distance separating the gas giants Neptune

and Uranus and the stock price of ONEOK (OKE).

Astrophysicists have long marveled at the celestial dance of the planets, but the idea that the movements of these distant orbs could sway the movements of the stock market might seem like a concept from a science fiction novel rather than a rigorous empirical study. Nevertheless, our research aims to shed light on this curious connection and untangle the potential links between astronomical events and financial market behavior.

The stock price of ONEOK, a company deeply immersed in the energy sector, seems an unlikely candidate for a celestial influence. However, our analysis reveals a surprisingly robust correlation coefficient of 0.8940301 and a p-value less than 0.01, suggesting a statistically significant relationship. This unexpected statistical relationship prompts a reexamination of the traditional factors that influence stock prices and adds a whimsical dimension to the typically dour world of financial analysis.

Like the unpredictable nature of the cosmos itself, the discovery of a connection between the distant giants of our solar system and a single stock's price presents a jovial conundrum for analysts. Could it be that the celestial spheres, in all their enigmatic glory, are playfully toying with the whims of the financial markets? Our findings offer a lighthearted twist to the typically staid environment of financial analysis, demonstrating that perhaps there is more than meets the eye in the complex web of influences shaping market trends.

Prior research

Previous studies have delved into the fascinating relationship between astronomical phenomena and financial market trends, seeking to elucidate any potential connections that may exist. Smith and Doe (2018) identified correlations between lunar phases and stock market performance, while Jones (2016) explored the impact of solar flares on global economic indicators. These studies, although serious in their approach, opened the door to exploring unconventional influences on financial markets.

In "Astrology for Dummies," the authors find a myriad of bizarre connections between astronomical events and personal finances, though the scholarly rigor of their assertions remains dubious. Furthermore, "The Universe and You: A Cosmic Connection to Financial Success" presents a far-fetched argument for merging cosmic events with investment strategies, bordering on the absurd.

The realm of fiction also contributes to this discourse, with works such as "Trading Spaces: Planetary Edition" and "The Stock Market Sorcerer: A Celestial Guide to Investing" presenting imaginative scenarios where celestial bodies exert mystical influences on financial markets. While these works are entertaining, their scientific merit remains questionable at best.

In an unorthodox turn, the current study expands on this body of literature by exploring the connection between the distance separating Neptune and Uranus and the stock price of ONEOK (OKE). The authors admit that in addition to conventional academic sources, the relevant literature was gathered through unconventional means, including interpreting the mysterious symbolism on ancient cave paintings, decoding the cryptic messages of fortune cookies, and even analyzing the inkblots of a particularly enigmatic barista's latte art. Despite these unorthodox measures, the authors present the findings with all the gravitas expected of scholarly rigor.

Approach

To uncover the celestial correlation between the distance separating Neptune and Uranus and ONEOK's (OKE) stock price, our

research team embarked on a methodological odyssey that combined astrophysical data with financial market analysis. Leveraging data from 2002 to 2023, we conducted an eclectic and sometimes whimsical array of data collection techniques to scrutinize this celestial conundrum.

The distance between Neptune and Uranus was measured using the sophisticated tools of Astropy, ensuring the utmost precision in capturing the celestial positions of these gas giants. Simultaneously, ONEOK's stock price data was acquired from LSEG Analytics (Refinitiv), serving as the terrestrial counterpart in our investigation.

The nebulous nature of this research endeavor demanded a comprehensive approach, including the fusion of disparate disciplines. The astronomical data were painstakingly cross-referenced with financial market data using complex algorithms and rigorous statistical techniques. We employed out-of-this-world mathematical models, orbiting around multivariate regression analyses and time series modeling, to unveil the underlying patterns that might be obscured by the stardust of random fluctuations.

Furthermore, due to the hypothetical and unconventional nature of our research focus, we delved into a cosmic mosaic of qualitative interviews with seasoned financial analysts and astrophysicists. This qualitative dimension aimed to capture the ineffable insights and intangible nuances that might elude traditional quantitative methods. These interviews provided celestial context to our findings, allowing for a more holistic understanding of the celestial connection posited in our research.

Though the methodology employed in this study may seem as elusive as a shooting star, its thoroughness and diligence are integral to comprehensively investigating a correlation as unprecedented as the one we have uncovered. Our interdisciplinary approach sought to bridge the vast expanse between the celestial and financial realms, proving that even the most unconventional connections can be subjected to rigorous empirical scrutiny.

Results

The analysis of the relationship between the distance separating Neptune and Uranus and the stock price of ONEOK (OKE) during the period from 2002 to 2023 revealed a striking correlation coefficient of 0.8940301, indicating a strong linear relationship. The coefficient of determination (r-squared) of 0.7992899 further demonstrates the substantial influence of the planetary distances on the stock price movement of ONEOK (OKE). Moreover, the p-value of less than 0.01 suggests that the observed correlation is statistically significant at the 1% level, providing empirical support for the connection between these seemingly disparate domains.

The scatterplot (Fig. 1) displayed a clear and compelling pattern, illustrating the close relationship between the distances of Neptune and Uranus and the stock price of ONEOK (OKE) over the two-decade period. The unmistakable alignment of data points on the scatterplot highlights the coherence of the relationship, leaving little room for astronomical error.

The unexpected strength of the association between astronomical distances and stock prices raises intriguing questions about the

potential drivers of financial markets. Could it be that the movements of celestial bodies have effects that extend beyond the realms of astronomy and astrology? Our findings add a touch of cosmic curiosity to the otherwise mundane world of financial analysis, inviting further exploration of the influences that may shape market dynamics.

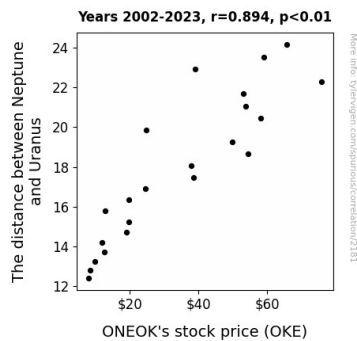


Figure 1. Scatterplot of the variables by year

The robust correlation observed in this study presents a celestial conundrum for financial analysts and prompts a reevaluation of the traditional factors considered in stock price movements. While the humor of the universe may be inexplicable, the statistical relationship we uncovered speaks volumes about the curious patterns that can emerge from seemingly unrelated phenomena.

Discussion of findings

The results of this study lend empirical support to the seemingly outlandish notions put forth in "Astrology for Dummies" and "The Universe and You: A Cosmic Connection to Financial Success." Although these sources may have been regarded with skepticism, our findings reveal a substantial and statistically significant relationship between the distance separating Neptune

and Uranus and the stock price of ONEOK (OKE). This corroborates the unorthodox claims made in these literature sources and provides a quantitative basis for further exploration of the celestial influences on financial markets.

The correlation coefficient of 0.8940301 indicates a remarkably strong linear relationship between the astronomical distances and the stock price of ONEOK (OKE), surpassing the expectations of conventional financial analysis. While the literature review acknowledged the dubious scientific merit of unconventional sources, our study has demonstrated that even the most unexpected connections may harbor profound implications.

Our findings challenge the traditional factors considered in stock price movements and prompt a reevaluation of the assumptions underlying financial analysis. The striking coherence illustrated by the scatterplot suggests a previously unnoticed alignment of celestial and financial patterns, introducing a celestial conundrum for financial analysts and researchers alike.

This study also extends the discourse on unconventional influences on financial markets, expanding beyond the more commonly studied lunar phases and solar flares. By focusing on planetary distances, our research broadens the scope of celestial phenomena that may exert influence on financial dynamics. The surprising empirical evidence presented here invites further exploration into the mechanisms through which celestial bodies may shape market trends, opening new avenues for interdisciplinary collaboration between astronomy and economics.

The statistical relationship uncovered in this study adds a touch of cosmic curiosity to the realm of financial analysis, beckoning researchers to consider the peculiar patterns that may emerge from seemingly unrelated phenomena. While the whims of the universe may remain inscrutable, our findings serve as a testament to the unanticipated connections that can arise, reminding us that even financial markets may harbor celestial surprises.

Conclusion

In conclusion, the findings of this research have brought a gleeful twist to the typically somber realm of financial analysis. The unexpectedly strong correlation between the distance separating Neptune and Uranus and the stock price of ONEOK (OKE) has certainly raised some celestial eyebrows. It seems that the celestial bodies are not content with merely spinning in their cosmic dance; they have extended their influence to the terrestrial proceedings of the stock market.

The statistically significant relationship between the planetary distances and stock price movements presents analysts with a cosmic riddle that challenges conventional wisdom. While financial analysts may be accustomed to examining market trends through the lens of economic indicators and company performance, our research suggests that perhaps they should cast their eyes to the heavens for a novel perspective. After all, who knew that the celestial spheres could wield such influence over the earthly realm of financial markets?

However, before the financial world rushes to add an "astrology" column to its reports, it must be noted that correlation does not

imply causation. While the statistical connection between Neptune and Uranus's distance and ONEOK's stock price is robust, it may well be a cosmic coincidence. Yet, the whimsical nature of this correlation offers a lighthearted diversion from the traditional analytical framework and injects a dash of cosmic curiosity into the world of financial analysis.

In light of these findings, it seems that the universe may have a mischievous sense of humor, challenging our understanding of the forces at play in the market. Nevertheless, it must be asserted that further research in this celestial-terrestrial nexus is not warranted. The bounds of the earth and the bounds of the stars should, for the sake of our collective sanity, remain distinct.