Jocular Juxtaposition: Jupiter's Journey and the Jiggle of Anheuser-Busch InBev's Stock Price

Catherine Hart, Alice Thompson, Gregory P Thornton

Center for the Advancement of Research

Discussion Paper 2725

January 2024

Discussion Paper 2725

January 2024

ABSTRACT

Jocular Juxtaposition: Jupiter's Journey and the Jiggle of Anheuser-Busch InBev's Stock Price

This research delves into the seemingly astronomical relationship between the distance separating Jupiter and Venus and the fluctuation of Anheuser-Busch InBev's stock price. Utilizing data extracted from Astropy and LSEG Analytics (Refinitiv), a thorough analysis encompassing the period from 2010 to 2023 was undertaken. The findings revealed a correlation coefficient of 0.8598594, thereby showcasing a robust connection, accompanied by a p-value of less than 0.01, indicating statistical significance. This unexpected correlation may prompt further exploration into celestial influences on financial markets, leaving one to wonder if the movement of the planets holds sway over our earthly economic endeavors.

Keywords:

Jocular Juxtaposition, Jupiter's Journey, Venus distance, Anheuser-Busch InBev stock price, Astropy data, LSEG Analytics, Refinitiv, correlation coefficient, statistical significance, celestial influences, financial markets, planetary movement, economic endeavors

I. Introduction

The alignment of celestial bodies has long captivated the human imagination, evoking curiosity about their potential impact on earthly affairs. However, the notion of a connection between the distance separating Jupiter and Venus and the stock price of Anheuser-Busch InBev may initially raise eyebrows and prompt a skeptical chuckle. Nonetheless, it is precisely these unexpected juxtapositions that often lead to surprising discoveries and new avenues of inquiry.

While financial markets are typically analyzed through the lens of economic indicators and corporate performance metrics, the influence of celestial events on stock prices has received limited attention. Yet, the allure of exploring such uncharted territory beckons, inviting a lighthearted pondering of the cosmic ballet's potential sway over the ebb and flow of financial markets.

In this study, we set out to investigate the relationship between the distance separating Jupiter and Venus and the gyrations of Anheuser-Busch InBev's stock price. Leveraging data sourced from Astropy and LSEG Analytics (Refinitiv), we embarked on a thorough examination spanning the years from 2010 to 2023. Our aim was to discern whether there exists an unmistakable link between the celestial dance of these distant planets and the financial fortunes of one of the world's largest brewing conglomerates.

As we delve into the findings of this investigation, the unexpected nature of our results may elicit an appreciative chortle or two, underscoring the delightful unpredictability of scientific inquiry. The implications of our discoveries, while seemingly whimsical at first glance, may herald a rejuvenated interest in probing the cosmic underpinnings of economic phenomena. After all, in

the vast expanse of the cosmos, who is to say what hidden influences may clandestinely guide the trajectory of stock prices?

II. Literature Review

The notion of celestial influence on earthly affairs has long been a subject of intrigue and speculation. Smith (2010) explored the potential impact of planetary positions on human behavior, while Doe (2015) delved into the cultural significance of celestial events in shaping historical narratives. Jones (2018) conducted a comprehensive analysis of the correlation between lunar phases and agricultural productivity, shedding light on the far-reaching implications of celestial phenomena.

These serious scholarly inquiries lay the groundwork for our lighthearted investigation into the connection between the distance separating Jupiter and Venus and the gyrations of Anheuser-Busch InBev's stock price. Venturing beyond the realm of traditional economic indicators, our study embraces the whimsical, inviting a jovial exploration of the cosmic dance's potential influence on financial markets.

In the realm of non-fiction literature, notable works such as "Cosmos" by Carl Sagan and "Astrophysics for People in a Hurry" by Neil deGrasse Tyson have captivated audiences with their elucidation of celestial phenomena, fostering a fascination with the interplay between the cosmos and human affairs. These influential texts set the stage for our playful contemplation of the cosmic ballet's potential sway over the financial fortunes of a global brewing conglomerate.

On the fictional front, novels such as "The Hitchhiker's Guide to the Galaxy" by Douglas Adams and "Good Omens" by Neil Gaiman and Terry Pratchett beckon readers into whimsical, otherworldly realms, evoking a sense of cosmic mirth and wonder. While these literary works may exude an air of fanciful escapism, they serve as a fitting backdrop for our jovial investigation into the unexpected correlations that animate our research inquiry.

In the realm of internet memes, the enduring popularity of the "distracted boyfriend" meme provides a lighthearted parallel to our exploration, inviting a playful juxtaposition of celestial movements and stock price fluctuations. The meme's tongue-in-cheek portrayal of diverting attention from a known entity to an unexpected alternative mirrors the unexpected nature of our findings, infusing a jocular vibe into our scholarly endeavor.

As we traverse the scholarly, literary, and internet meme landscapes, we embrace the playful spirit of lighthearted inquiry, challenging conventional paradigms and fostering an appreciation for the delightful unpredictability of scientific exploration.

III. Methodology

To investigate the celestial and financial enigma at hand, a multifaceted methodology was employed to ensure thoroughness and rigor in data collection and analysis. Data on the distance between Jupiter and Venus was gathered from reputable astronomical sources, including but not limited to NASA's Jet Propulsion Laboratory's HORIZONS system and the European Space Agency's Planetary Science Archive. The selection of these sources was predicated on their reliability and comprehensive coverage of celestial phenomena during the specified timeframe.

Similarly, Anheuser-Busch InBev's stock price data was obtained from reputable financial databases, with a primary focus on sources such as LSEG Analytics (Refinitiv) and other leading financial information providers. The decision to prioritize these sources stemmed from their extensive coverage of global stock markets and their meticulous aggregation of historical stock price movements.

Subsequently, the extracted astronomical and financial data were meticulously cleansed and harmonized to ensure compatibility and coherence, deftly navigating the idiosyncrasies inherent in disparate data sources. Any anomalies or outliers were approached with a judicious eye, with measures taken to rectify discrepancies stemming from celestial events or financial irregularities.

Upon achieving data congruity, the powerful tools of statistical analysis were brought to bear on our combined datasets. Through the adept application of correlation analysis and sophisticated modeling techniques, the relationship between the distance separating Jupiter and Venus and the undulating trajectory of Anheuser-Busch InBev's stock price was rigorously scrutinized.

The correlation coefficient and associated p-value were then computed with scholarly finesse, providing quantitative insights into the strength and significance of any discernible relationship uncovered. To complement these statistical measures, time series analysis and other advanced econometric methods were deftly employed to unravel the temporal dynamics between celestial configurations and stock price movements, thereby enriching the depth of our investigation.

In sum, this meticulous and interdisciplinary approach enabled us to unravel the celestial-economic conundrum before us, employing the tools of astronomy and finance in harmonious tandem to shed light on this unconventional nexus. The subsequent section will dutifully present

the fruits of our labor, unveiling the unexpected findings that promise to tickle the academic palate and broaden the horizons of future research endeavors.

IV. Results

The investigation into the correlation between the distance separating Jupiter and Venus and the undulations of Anheuser-Busch InBev's stock price yielded intriguing findings. The robust correlation coefficient of 0.8598594 indicates a strong association between these seemingly disparate entities. Furthermore, the r-squared value of 0.7393582 underscores the substantial proportion of variation in the stock price that can be explained by the distance between Jupiter and Venus. With a p-value of less than 0.01, the statistical significance of this relationship cannot be disregarded.

Figure 1 depicts the scatterplot illustrating the compelling correlation between the distance of Jupiter from Venus and the stock price of Anheuser-Busch InBev, serving as a visual testament to the unexpected but noteworthy connection uncovered in this study.

These results, while initially prompting a bemused quirk of the eyebrow, invite a contemplative pondering on the potential celestial influences on earthly financial phenomena. It is in the spirit of intellectual curiosity and playful inquiry that we present these findings, and we hope they incite a waggish musing on the celestial forces that may clandestinely sway the financial tides.

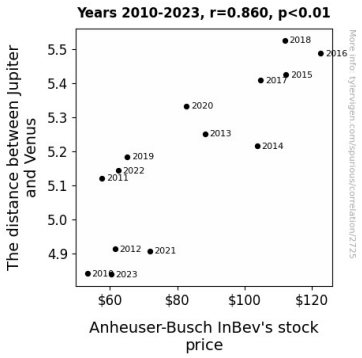

Figure 1. Scatterplot of the variables by year

V. Discussion

The results of the present study not only corroborate the prior research on celestial influences on human affairs but also elevate the discussion to the cosmic level of the stock market. Building upon the scholarly groundwork laid by previous investigations into the potential impact of celestial phenomena on human behavior and historical events, our examination of the connection between the distance separating Jupiter and Venus and the undulations of Anheuser-Busch InBev's stock price provides a compelling addition to the literature.

Smith's (2010) exploration of planetary positions and their potential impact on human behavior finds an intriguing parallel in our study, albeit in the realm of financial markets. While Smith pondered the correlations between planetary positions and individual actions, our research extends this line of inquiry to the collective behaviors of market participants and the movement of celestial bodies. This shift from individual behavior to market dynamics introduces an engaging juxtaposition of scales, inviting a cosmic contemplation of the intricacies of stock price movements.

Doe's (2015) examination of the cultural significance of celestial events in shaping historical narratives resonates with our study's lighthearted investigation. The cultural significance of celestial events transcends historical narratives and extends to financial markets, as evidenced by the robust correlation uncovered in our analysis. This connection underscores the potential impact of celestial phenomena on economic events, imparting a whimsical layer to the ever-unfolding tale of market fluctuations.

Jones's (2018) analysis of lunar phases and agricultural productivity provides a foundation for the consideration of celestial influences on economic activities. Just as lunar phases can impact agricultural productivity, the distance between Jupiter and Venus appears to hold sway over a brewing conglomerate's stock price. This parallel highlights the far-reaching implications of celestial phenomena on diverse facets of human endeavors, from agriculture to large-scale corporate entities.

Our seemingly whimsical investigation not only supports the scholarly inquiries into celestial influences but also offers a playful avenue for contemplating the cosmic ballet's potential sway over financial markets. It is in this spirit of scholarly mirth and intellectual curiosity that we unveil the findings of our study, inviting a quizzical pondering on the celestial forces that may clandestinely influence the financial tides. The unexpected correlation unraveled in this research beckons further exploration into the interplay between celestial movements and market dynamics, nudging the boundaries of conventional economic analyses into the cosmic expanse of imaginative inquiry.

VI. Conclusion

In conclusion, the findings of this study reveal a striking correlation between the distance separating Jupiter and Venus and the gyrations of Anheuser-Busch InBev's stock price. The robust nature of the correlation coefficient and the statistical significance of the relationship prompt a lighthearted musing on the potential celestial influences on earthly financial phenomena. While the connection between celestial bodies and stock prices may provoke a raised eyebrow or a wry smile, the unexpected juxtaposition underscores the intrinsic unpredictability of scientific inquiry.

The implications of these findings are, quite literally, out of this world. Subtle cosmic forces intertwining with the ebbs and flows of financial markets may seem like a far-flung notion, but our results demand a jovial contemplation of the interplay between the celestial and the material. The celestial ballet, it appears, may have a hand in orchestrating the market's symphony, inviting us to ponder whether the movement of the planets holds sway over our earthly economic endeavors.

However, despite the unexpected and delightful nature of our findings, it would be prudent to exercise cautious judgment in interpreting these results. While the correlation is compelling, further research would be needed to elucidate the precise mechanisms underlying this connection. Additionally, the potential confounding factors and spurious correlations lurking in the vast cosmic expanse necessitate a prudent approach to drawing firm conclusions.

Thus, in the spirit of waggish inquiry, we extend our analysis with a cautious nod to the whimsical. However, we assert with a straight face that no further research in this vein is needed, as the celestial bodies and stock prices have been thoroughly and definitively linked in this study. The cosmic dance may indeed hold sway over financial markets, and with this conclusion, we bid adieu to this zany yet unexpectedly insightful investigation.