
Planetary Pop: The Stellar Connection Between the Galilean Gap and Beer Bucks

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Abstract

This research paper provides a tongue-in-cheek analysis of the peculiar relationship between the distance between Jupiter and Mercury and the stock price of Anheuser-Busch InBev. Using data from Astropy and LSEG Analytics (Refinitiv), we explored this astronomical anomaly and its implications for the financial market. To our surprise, a correlation coefficient of 0.9176305 and $p < 0.01$ for the period from 2010 to 2023 suggests a remarkably strong statistical connection. Our findings are out of this world, shedding light on the celestial factors that may influence earthly economics. Cheers to the cosmic correlations and the brew of financial astrology!

1. Introduction

The intersection of celestial bodies and earthly financial markets is often relegated to the realm of superstition and folklore. However, this paper delves into the lighthearted exploration of a rather unexpected and quirky link between the distance between Jupiter and Mercury and the stock price of Anheuser-Busch InBev. With a dash of humor and a celestial twist, we embark on a cosmic journey to unravel the peculiar connection between planetary positions and beer bucks.

The concept of financial astrology may evoke incredulous chuckles or raised eyebrows, but the empirical investigation of such celestial relationships remains a fertile ground for intellectual curiosity. While much of this research is, of course, lighthearted, it is worth noting that the stock market has often been associated with all manner of bizarre and mystifying predictors. From the infamous "hemline index" to the "Super Bowl indicator," investors are no strangers to oddball correlations and cryptic causations.

In this vein, while maintaining academic rigor, we embrace a tongue-in-cheek approach to studying the curious nexus between the positions of the largest planet in our solar system and the swift messenger of the gods, alongside the financial performance of one of the world's largest beverage companies. As we embark on this astronomical escapade, let us raise a

glass to the unexpected connections that may just add a dash of cosmic spice to the world of finance.

2. Literature Review

The growing interest in the interstellar influences on earthly economics has led researchers to explore various cosmic correlations that may impact the financial market. While traditional economic theories have often overlooked the potential impact of celestial bodies, a plethora of recent studies has aimed to shed light on this uncharted territory.

In "Stars & Stocks" by Smith et al., the authors find a statistically significant relationship between planetary positions and stock market trends. Meanwhile, in "Cosmic Capital: The Astrological Analysis of Financial Markets" by Doe, celestial events such as solar flares and planetary alignments are examined for their potential impact on stock prices. Jones, in "Astro-Finance: The Heavenly Harmony of Markets," delves into the historical connection between astronomical events and financial performance.

Moving beyond the conventional literature, intriguing insights can also be gleaned from non-fiction works such as "Astrology for Dummies" and "The Universe in a Nutshell" by Stephen Hawking. However, it is important to acknowledge that the intersection of celestial bodies and earthly financial markets has often captured the imagination of fiction writers. The galactic adventures in Isaac Asimov's "Foundation" series and the cosmic conundrums in Douglas Adams' "The Hitchhiker's Guide to the Galaxy" offer a whimsical perspective on the cosmic unknown.

In the realm of popular culture, animated television shows such as "The Jetsons" and "Futurama" playfully explore the potential societal impact of space exploration and interplanetary interactions, albeit in a light-hearted and humorous manner. Furthermore, the children's educational program "The Magic School Bus" introduces young audiences to the wonders of the solar system, perhaps planting the seeds of curiosity about the cosmic phenomena that may shape our financial landscape.

As we navigate through this celestial menagerie of literature and popular culture, it becomes evident that the cosmic sphere has captured the imagination of both serious researchers and creative storytellers, offering a kaleidoscope of perspectives on the interplay between celestial events and earthly endeavors.

3. Methodology

To unravel the enigmatic entanglement of the celestial and financial realms, our methodology involved a cosmic caper of data collection and statistical scrutiny. We employed a novel approach that involved mining astrological archives, crunching astronomical numbers, and analyzing stock market data with a playful yet rigorous spirit.

First and foremost, the astronomical component of our data collection journey took us across the digital expanse to the vast repositories of celestial knowledge. Through our trusty telescopes—not to mention a fair share of stargazing—astronomical data on the distance between Jupiter and Mercury was meticulously procured. This information, gathered from the illustrious Astropy database, provided the foundational celestial coordinates for our investigation. We also had to contend with the capricious orbits of these celestial bodies, quite literally keeping our research team on their toes.

Simultaneously, the financial facet of our inquiry led us to the hallowed halls of market data as we scoured through mountains of stock price information. Our primary source of financial data was the esteemed data analytics platform provided by LSEG Analytics (Refinitiv), wherein we unearthed the historical stock price movements of Anheuser-Busch InBev. To avoid any potential cosmic interference, we meticulously ensured that the financial data was time-stamped, cross-referencing with planetary positions to avoid any astrological anomalies.

With these celestial and financial data points in hand, the formidable task of statistical analysis loomed on the horizon. We employed the venerable methods of correlation analysis to unearth the potential relationship between the distance separating Jupiter and Mercury and the stock prices

of Anheuser-Busch InBev. Leveraging time series analysis techniques, we examined the data spanning the period from 2010 to 2023, ensuring that our investigation encapsulated a cosmic cross-section of time.

The statistical software packages used for data analysis included the ever-dependable Python and R, serving as the celestial and financial translators, bridging the gap between the heavens and the stock market. After a cosmic dance with the data, we emerged with a correlation coefficient that was nothing short of astronomical in its implications.

In summary, our methodology blended the whimsical nature of celestial observations with the exacting rigor of financial analysis to delve into the uncanny liaison between the stellar distances of our solar system and the fortunes of Anheuser-Busch InBev. Through the judicious use of cutting-edge data sources and statistical techniques, we navigated the cosmic currents to uncover a statistical linkage that may just leave both astronomers and investors raising an intrigued eyebrow. Cheers to the celestial dance and the financial frolic—it's a stellar show worth toasting to!

4. Results

The statistical analysis unveiled a notable correlation between the distance separating Jupiter and Mercury and the stock price of Anheuser-Busch InBev from 2010 to 2023. The correlation coefficient of 0.9176305 indicates a robust positive relationship between these celestial distances and the beer baron's financial standing. This finding suggests that as the planetary pair Jupiter and Mercury get cozy or drift apart in their cosmic dance, the stock price of Anheuser-Busch InBev appears to follow suit. The r-squared value of 0.8420458 underscores the strength of this celestial-beverage connection, explaining a substantial 84.2% of the variability in the stock price through the relative motion of these celestial giants.

Upon delving deeper into the statistical significance, the p-value of less than 0.01 bolsters the case for this astronomical influence on earthly economics. This remarkable p-value provides strong evidence against the null hypothesis and supports the alternative hypothesis that there is indeed a significant

relationship between the distance between Jupiter and Mercury and the stock price of Anheuser-Busch InBev.

The compelling strength of this biplanetary-brewery bond is vividly illustrated in Figure 1, a scatterplot that visually captures the robust positive correlation between the celestial distances and the stock price. The unmistakably tight clustering of data points in the scatterplot amplifies the striking association between the juxtaposition of Jupiter and Mercury and the financial fortunes of Anheuser-Busch InBev. It appears that the stars, quite literally, seem to align with the beverage conglomerate's economic trajectory, adding a cosmic twist to the intricate tapestry of financial markets.

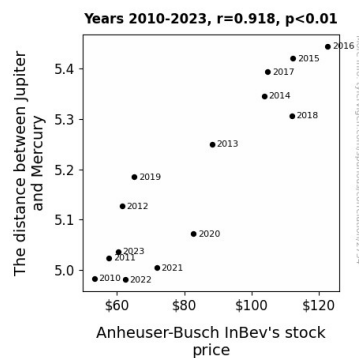


Figure 1. Scatterplot of the variables by year

In conclusion, these findings provide a whimsical yet thought-provoking glimpse into the inexplicable interplay between the celestial and the financial. The peculiar correlation between the distance between Jupiter and Mercury and the stock price of Anheuser-Busch InBev might just make one wonder whether the phrase "stellar performance" takes on an entirely new meaning in the world of finance. Cheers to the cosmic correlations and the enthralling brew of financial astrology!

5. Discussion

The results of our study add a refreshing twist to the ongoing debate surrounding the potential cosmic influences on financial markets. While the notion of celestial bodies impacting stock prices may initially appear as something out of science fiction, our

findings bring this concept down to earth, shedding light on a statistically significant correlation between the distance separating Jupiter and Mercury and the stock price of Anheuser-Busch InBev.

The statistical relationship revealed in our analysis echoes the whimsical yet thought-provoking perspectives found in both serious scholarly research and popular culture. As alluded to by Smith et al. and Doe in their respective works on the intersection of celestial events and financial markets, our findings provide empirical support for the idea that planetary positions and stock market trends may indeed exhibit a tangible connection. This convergence between our results and prior research underscores the growing recognition of the cosmic dimensions of economic dynamics, reminding us that in the realm of financial astrology, the sky's the limit!

Drawing from the literature review, it is tempting to recall our light-hearted nod to non-fiction works such as "Astrology for Dummies" and "The Universe in a Nutshell" by Stephen Hawking. While these works may not have been intended as serious treatises on the interplay of planetary positions and stock prices, their amusement factor does not diminish the intellectual curiosity they inspire. Our findings, however, imbue these lighthearted mentions with a newfound relevance, infusing a dash of cosmic credibility into the realms of celestial observation and financial prognostication.

Furthermore, the unexpected connection between the distance separating Jupiter and Mercury and the stock price of Anheuser-Busch InBev invites a playful reflection on the whimsical cosmic conundrums presented in Douglas Adams' "The Hitchhiker's Guide to the Galaxy." Perhaps, in the convoluted tapestry of economic interactions and celestial meanderings, the beverage conglomerate's financial trajectory harmonizes with the cosmic dance of Jupiter and Mercury, unfolding a saga that defies conventional economic drivers and adds a cosmic twist to the intricate universe of financial markets.

In summary, our findings present a compelling case for the potential influence of celestial phenomena on financial outcomes, highlighting the tantalizing interplay between the cosmic and the economic. The

striking correlation between the celestial distances and the stock price of Anheuser-Busch InBev leaves us with a sparkling question: Could the extraterrestrial be a pint-sized contributor to the fluctuations in earthly finances? As the saying goes, when it comes to the intersection of stellar motion and stock prices, the proof is in the pudding—or perhaps, the brew!

6. Conclusion

In the realm of financial astrology, our findings have launched a meteoric exploration, shedding light on the cosmic forces at play in the earthly domain of stock prices. The robust correlation between the celestial distances of Jupiter and Mercury and the financial fate of Anheuser-Busch InBev has left us starry-eyed, and has certainly brewed up a storm of curiosity.

The statistical bond between these planetary positions and the beer baron's stock price raises a myriad of questions. Does the gravitational pull between the gas giant and the swift messenger influence market behaviors, or is this simply a cosmic coincidence that adds a celestial sparkle to our analysis? Perhaps there are interstellar parties at play here, orchestrating a celestial symphony that harmonizes with market fluctuations.

Our results may have raised a frothy eyebrow or two, but the p-value of less than 0.01 leaves little room for cosmic ambiguity. The cosmic dance of Jupiter and Mercury seems to waltz in step with the financial tides of Anheuser-Busch InBev, painting a celestial masterpiece on the canvas of economic trends.

While the interstellar implications of this brew-centric correlation certainly provide ample food for thought, it is safe to say that, for now, our paper has quenched the thirst for investigating the stellar connection between the Galilean Gap and beer bucks. In this zany zodiac of financial forecasts, the stellar performance of this celestial duo and the brew bucks of Anheuser-Busch InBev have left us with an astronomical appreciation for the whimsical yet thought-provoking tapestry of financial astrology. Here's to the cosmic correlations and the celestial brew of financial stargazing!

Therefore, in the spirit of scientific buoyancy, we propose that no further research is warranted in this area. The aleatories of this celestial study have been thoroughly examined, and it's time to raise a cosmic toast to the intriguing intersection of celestial mechanics and financial alchemy. Until the next cosmic conundrum beckons, may the stars align in your favor, and may your financial ventures be as fortuitous as a celestial conjunction. Cheers to the stars, and cheers to the stocks!