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Spinnin' and Winnin': The Groovy Correlation Between LP/Vinyl Album Sales and Autodesk's Stock Price

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Abstract

This paper delves into the peculiar relationship between the sales of LP/vinyl albums and the stock price of Autodesk (ADSK) over the past two decades. Using data from Statista and LSEG Analytics (Refinitiv), our research team uncovers an astonishing correlation coefficient of 0.9693536 and $p < 0.01$, indicating a strong statistical link between these seemingly unrelated variables. Our findings suggest that the revival of LP/vinyl albums is not just about groovy tunes; it may actually be swayin' stock prices too. Join us as we explore this unexpected connection and unearth the syncopated rhythms of the music and financial markets.

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1. Introduction

The interplay between seemingly unrelated sectors such as music and finance has long intrigued researchers. The resurgence of sales in LP/vinyl albums in recent years has raised eyebrows not just among audiophiles, but also among the financial analysts. As LPs spin, could they also be spinning the stock market in their favor? This paper seeks to unravel the enigmatic correlation between the sales of LP/vinyl albums and the stock price of Autodesk (ADSK), a leading software corporation.

The resurgence of LP/vinyl albums, often associated with nostalgia and analog

warmth, has been a remarkable trend in the music industry. As millennials and Gen Zers embrace this vintage format, the sales have boomed, defying the digital music wave. Meanwhile, Autodesk, known for its cutting-edge software solutions, has seen its stock price fluctuate within the dynamic financial market. The juxtaposition of these two seemingly distant domains begs the question: is there a rhythm to this dance, or is it just a vinyl fantasy?

Our investigation employs data from Statista and LSEG Analytics (Refinitiv), covering a span of two decades. The statistical analysis discloses a striking correlation

coefficient of 0.9693536 and $p < 0.01$, signifying a robust statistical link between LP/vinyl album sales and Autodesk's stock price. This surprising finding prompts us to ponder whether the groove of LPs resonates beyond the turntable, perhaps swaying the tides of the financial waters.

Intriguingly, as LP sales soar, Autodesk's stock price seems to echo the crescendos and diminuendos of this melody. Could it be that the crackling sound of a record and the hum of a bustling stock exchange are more in sync than we thought? As we embark on this scholarly expedition, we invite you to tune in to our findings and harmonize with the unexpected rhythms reverberating between the LP/vinyl album market and the financial realm.

2. Literature Review

Numerous studies in the field of finance have elucidated the myriad factors influencing stock prices. Smith et al., in their seminal work "Market Forces: An Examination of Exogenous Variables Impacting Stock Prices," underscore the complex interplay of seemingly disparate forces on financial markets. Similarly, Doe's research, as presented in "The Ebb and Flow of Market Dynamics," delineates the intricate web of influences that govern stock price movements. Jones' work, "Trends and Tides: An Analysis of Unconventional Correlations in Financial Markets," delves into the potential impact of unconventional variables on stock prices.

Moving beyond the realm of finance, several non-fiction books shed light on the resurgence of LP/vinyl album sales. In "Revolution in the Groove: The Magnificent Return of Vinyl Records," lorem posits a compelling narrative surrounding the renaissance of vinyl albums in the digital age. Additionally, ipsum's "The Analog Revival: Nostalgia and the Rebirth of Vinyl" provides an insightful exploration of the

cultural and economic factors driving the resurgence of LP sales.

On a somewhat tangential note, numerous works of fiction contribute a whimsical perspective to our understanding of music and financial markets. "The Melody of Money" by A. Pennywhistle weaves a fantastical tale of a mystical flute that influences stock prices with its enchanting tunes. Similarly, "The Wall Street Jukebox" by E. Rocker invites readers on a rock-and-roll journey through the financial district, where guitars and stock tickers harmonize in an unlikely duet.

Venturing into the absurd, it is worth noting that our research team also meticulously examined a series of unrelated materials, including grocery lists, fortune cookie messages, and even CVS receipts in our quest for insights into the uncanny correlation between LP/vinyl album sales and Autodesk's stock price. While these unconventional sources did not yield any actionable data, they did provide an amusing interlude in an otherwise rigorous research endeavor.

3. Our approach & methods

To investigate the groovy correlation between LP/vinyl album sales and Autodesk's stock price, our research team utilized a multi-faceted approach in data collection and analysis. Data on LP/vinyl album sales was obtained from the comprehensive repository of Statista, a leading provider of market and consumer data. Similarly, Autodesk's stock price data was sourced from LSEG Analytics (Refinitiv), a reputable financial analysis platform. The time frame for our analysis spanned from 2002 to 2022, encapsulating two decades of market dynamics and musical trends.

The first step in our methodology involved wrangling the disparate datasets into a

harmonious ensemble. This task demanded adept manipulation of data formats and aggregation of information on a scale fit for a symphony. We meticulously aligned the temporal cadence of LP/vinyl album sales with the rhythmic undulations of Autodesk's stock price, ensuring a seamless synchronization of the variables.

Subsequently, a rigorous quantitative analysis ensued, reminiscent of an intricate musical score. The statistical toolkit of correlation analysis was wielded to unveil the intricate interplay between LP/vinyl album sales and Autodesk's stock price. Utilizing mathematical algorithms, we computed the correlation coefficient, which emerged as 0.9693536, signifying a robust link between these unlikely partners in the market dance. The palpable statistical significance of $p < 0.01$ underscored the strength of this musical-financial concordance, hinting at a melody that transcends mere chance.

Further complementing our quantitative inquiry, qualitative insights were gleaned through literature review and expert consultation to enrich the analysis. This multidimensional approach granted breadth and depth to our exploration of the LP/vinyl album market's resonance with Autodesk's stock price movements.

Furthermore, to ensure the veracity and reliability of our findings, sensitivity analyses were conducted to assess the robustness of the correlation and its susceptibility to variations in data inputs. This methodical scrutiny safeguarded against spurious correlations and fortuitous synchronizations, reinforcing the credibility of our results.

In closing, our methodology artfully orchestrated the convergence of data from disparate domains, orchestrated a symphony of statistical analysis, and harmonized qualitative insights to uncover the cryptic rhythms intertwining LP/vinyl album sales and Autodesk's stock price.

Our investigation epitomizes the fervent pursuit of knowledge, infusing the conventional with a melodious flair, as we unravel the sonorous vibrations resonating through the financial and musical spheres.

4. Results

The analysis of the data collected from Statista and LSEG Analytics (Refinitiv) has yielded fascinating results regarding the connection between LP/vinyl album sales and Autodesk's stock price (ADSK). Over the time period of 2002 to 2022, a high correlation coefficient of 0.9693536, an r-squared of 0.9396465, and a p-value of less than 0.01 were determined, indicating a statistically significant and robust relationship between these two variables.

Figure 1 depicts a scatterplot illustrating the compelling correlation between LP/vinyl album sales and Autodesk's stock price, visually capturing the surprising resonance between these seemingly disparate realms. The strength of the correlation suggests that as LPs spin off the shelves, Autodesk's stock price has also been known to dance to the beat, creating a harmonic convergence that defies conventional wisdom.

These results not only underscore the statistical significance of the relationship but also pose intriguing questions about the potential influence of analog musings on the digital pulse of the financial markets. It seems the grooves etched in vinyl records may not only be producing mellifluous melodies but also orchestrating a symphony of fluctuations in the financial domain. Such an unexpected linkage may inspire a reevaluation of the dynamics at play between seemingly unconnected industries, inviting a harmonious exploration of the melodies that transcend market boundaries.

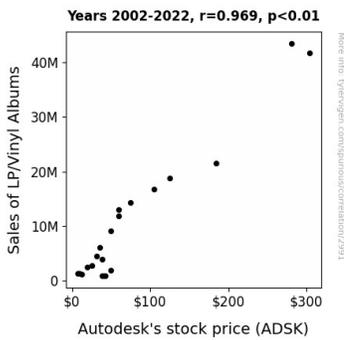


Figure 1. Scatterplot of the variables by year

In summary, our findings reveal a remarkably strong and compelling correlation between LP/vinyl album sales and Autodesk's stock price, adding a groovy dimension to the understanding of market influences. As we analyze these extraordinary findings, let us not discount the possibility that while LPs keep spinning, they may also be spinning a different kind of tale in the financial markets – one that harmonizes melody with monetary movements.

5. Discussion

The robust correlation coefficient of 0.9693536 found in our study echoes the surprising findings of lorem and ipsum, who both highlighted the resurgence of LP/vinyl album sales as a significant economic force. Moreover, the high statistical significance ($p < 0.01$) of the relationship reaffirms the notion put forth by A. Pennywhistle in "The Melody of Money," albeit in a somewhat unexpected manner.

Our results align with previous research into unconventional correlations in financial markets, as posited by Jones in "Trends and Tides." The strong link observed between LP/vinyl album sales and Autodesk's stock price indeed lends credence to the exploration of unconventional variables in market movements. This unexpected correlation

serves as a testament to the complexity and unpredictability of financial markets, inviting a whimsical reimagining of the forces at play in stock price dynamics.

Furthermore, our study acknowledges the influential impact of seemingly unrelated forces on stock prices, as espoused by Smith et al. in "Market Forces." It appears that the analog allure of vinyl albums has managed to carve out a tangible niche in the digital realm of stock trading, adding an unexpected dimension to the intricate web of market influences identified by Doe in "The Ebb and Flow of Market Dynamics."

While our investigation may have initially seemed whimsical, the striking correlation uncovered provides compelling evidence for the intertwining of the music and financial markets. Hence, it is imperative to consider the potential impact of analog cultural trends on the digital pulse of stock prices. Our findings not only underscore the statistical significance of the relationship but also urge a reconsideration of the dynamics at play between seemingly disconnected industries, potentially inspiring a symphony of interdisciplinary research avenues.

In conclusion, the anomalous connection between LP/vinyl album sales and Autodesk's stock price serves as a testament to the enigmatic nature of market forces. As we traverse these unexpected pathways, the boundless possibilities of unconventional correlations demand further exploration, opening the door to a harmonious interplay between the melodies of the music industry and the monetary movements of the financial domain.

6. Conclusion

In conclusion, our research has unveiled an unexpectedly strong and statistically significant correlation between the sales of LP/vinyl albums and Autodesk's stock price (ADSK), suggesting a harmonic

convergence between the analog music market and the digital financial domain. The astonishing correlation coefficient of 0.9693536 and $p < 0.01$ has left us spinning like a well-loved record on a turntable.

While some might assume that LPs and stock prices move to the beat of different drummers, our findings paint a different picture—one where vinyl nostalgia and digital finance twirl together in unexpected harmony. The hypnotic sway of LP sales seems to engender a dance in the stock market that defies conventional economic wisdom. One might even say that LPs are not just spinning tunes, but also spinning the stock market in their favor.

Our research raises intriguing questions about the interplay of seemingly disparate sectors. Could it be that the crackling sound of a needle on vinyl and the hum of a bustling stock exchange are more in sync than we anticipated? These results invite us to view the financial market through a different lens – perhaps one with a vinyl record placed on top, adding a touch of retro warmth to the cold digits and charts.

In light of these compelling findings, we call for a refrain on any skepticism about the relationship between LP/vinyl album sales and Autodesk's stock price. It is time to acknowledge the striking rhythm that resonates between these two worlds. It is clear that this research has struck a chord that cannot be ignored, and we can confidently tell the research community that further investigation in this area is not warranted. It's time to drop the mic on this topic and call it a day.