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# Tesla's Tumultuous Tango with Taos' Tainted Air: TSLA and Taos Air Pollution Paradox

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#### **KEYWORDS**

Tesla, TSLA, Taos air pollution, Taos New Mexico, environmental pollution correlation with stock price, EPA air pollution data, LSEG Analytics, Refinitiv, correlation coefficient, financial performance, stock market humor, statistics and stock price, Wall Street, air quality correlation with stock price

#### Abstract

This research paper delves into the whimsical world of Wall Street, where we uncover the surprising link between air pollution levels in the scenic town of Taos, New Mexico, and the rollercoaster ride of Tesla's stock price (TSLA) from 2011 to 2021. With a cunning combination of data from the Environmental Protection Agency and LSEG Analytics (Refinitiv), our study unveils a correlation coefficient of 0.9922663 and p < 0.01, revealing a seemingly ludicrous connection that leaves us gasping for fresh air. Through whimsical puns and unexpected twists, we shed light on this peculiar pairing and provoke laughter as we untangle the alliance between environmental factors and financial performance. Join us in this whimsical journey through statistics and stock humor as we unravel the enigmatic relationship between air quality in Taos and Tesla's stock price.

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#### **1. Introduction**

#### INTRODUCTION

Welcome, esteemed researchers, stock enthusiasts, and fellow aficionados of the absurd! In this whimsical expedition through the realms of finance and environmental science, we embark on a mission to uncover the quirky correlation between the air pollution levels of Taos, New Mexico, and the stock price of the enigmatic electric vehicle juggernaut, Tesla Inc. (TSLA).

Prepare to be amused as we traverse the convoluted landscapes of Wall Street and the serene vistas of Taos, where the air is as fresh as the humor in this paper. Our findings promise to tickle your fancy and perhaps leave you scratching your head in disbelief at the improbable dance between air quality and stock market performance.

Now, take a deep breath and brace yourselves for a research journey filled with gags, jests, and the occasional pun – because why should academic papers be devoid of humor? Join us as we unravel the tantalizing tale of "Tesla's Tumultuous Tango with Taos' Tainted Air: TSLA and Taos Air Pollution Paradox," where financial data meets fresh air in a rather unexpected waltz of wit and wisdom.

#### 2. Literature Review

The existing literature on the correlation between air pollution and stock prices has primarily focused on urban areas with high industrial activity and dense populations. Smith et al. (2015) found a significant negative association between air quality index and stock performance in major metropolitan cities. Doe and Jones (2018) corroborated these findings, highlighting the adverse impact of air pollution on the financial markets of densely populated regions.

Turning to the realm of environmental economics, "The Economics of Air Quality" by Johnson and Smith (2009) delves into the economic consequences of air pollution, emphasizing the detrimental effects on public health and productivity. In a similar vein, "Polluted Promises: Environmental Chicanery and Commodification" by Adams (2013) offers insightful perspectives on the intersection of environmental degradation and economic ramifications, shedding light on the multifaceted implications of air pollution.

In the world of fiction, "The Air We Breathe" by A. Clear (2007) presents a dystopian narrative where corporations profit from selling clean air in a post-apocalyptic world, serving as a cautionary tale about the commodification of environmental resources. Likewise, "Emissions of Enigma" by R. Mystery (2015) offers a suspenseful portrayal of a clandestine conspiracy involving air pollution and financial markets, blurring the lines between reality and fiction.

Expanding our search into unconventional sources, the researchers encountered a peculiar trove of wisdom in the most unexpected of places – CVS receipts. Amidst the cacophony of discounts and promotions, these mundane slips of paper offered surprisingly profound insights into the whims of consumer behavior and the tangential musings of the stock market. While it remains to be seen whether the correlation between air pollution in Taos and Tesla's stock price is elucidated in the fine print of a CVS receipt, the authors cannot discount the serendipitous journey that led them to this realization.

As we navigate through the literature on air pollution and its unlikely companions, the connection between Taos' atmosphere and Tesla's stock price emerges as a whimsical enigma deserving of further exploration. While the juxtaposition of finance and fresh air may seem surreal, the forthcoming analysis aims to unravel the paradoxical relationship with a touch of levity and scholarly rigor.

Stay tuned for the delightfully absurd analysis that awaits, where we weave together the threads of air quality and stock market performance in a tapestry of whimsy and wonder.

## 3. Our approach & methods

Prepare to be amused as we reveal the convoluted methodology behind this whimsical research endeavor. Our team of intrepid researchers donned their metaphorical detective hats and embarked on a data-gathering odyssey that took us from the dusty trails of Taos to the bustling virtual thoroughfares of the internet. We relied primarily on data from the Environmental Protection Agency (EPA) and LSEG Analytics (Refinitiv), where we sought to gather information on air pollution levels and Tesla's stock price, respectively, from 2011 to 2021.

Our approach was akin to a treasure hunt, as we scoured the web for obscure datasets, innuendos, and numbers that would yield the clues necessary to untangle the perplexing relationship between air quality and stock performance. Much like Tesla's autopilot system, we automated the collection process to ensure а comprehensive dataset, leaving no byte unturned. It was a veritable digital safari, with Excel spreadsheets as our trusty steeds and pivot tables as our compass, navigating through the murky waters of internet data sources.

In a daring display of technological prowess, we meticulously cleaned and processed the collected data, harnessing the power of statistical software to wrangle with the unruly numbers, transforming them from a disorderly cacophony into a harmonious symphony of information. Our journey through the data wilderness included harmonizing disparate datasets, dueling with missing values, and engaging in tangolike maneuvers of data imputation to ensure a seamless analytical experience.

With our meticulously curated dataset in hand, we summoned the mystical powers of statistical analysis to unveil the enigmatic correlation between air pollution in Taos and the pulsating heartbeat of Tesla's stock price. We employed a range of statistical techniques that would've made even the most seasoned Wall Street analysts raise an eyebrow in amusement, including correlation analysis, regression modeling, and time series analysis. To ensure the reliability of our findings, we cross-validated our results using a variety of robust statistical methods, just as a prudent investor diversifies their portfolio. The air may have been fresh in Taos, but our statistical rigor was as crisp as a freshly printed dollar bill. In the wise words of Warren Buffett, "Risk comes from not knowing what you're doing," and with our rigorous methodology, we ventured forth armed with knowledge and absurdity in equal measure.

So, dear reader, fasten your seatbelt and prepare to be astounded as we unfurl the findings that emerged from this captivating carnival of data and discovery. Prevail upon your skeptical spirit and allow our whimsical methodology to guide you through the tangled underbrush of correlation and causation, as we present the delightful dance between air pollution in Taos and Tesla's stock price, all delivered with a knowing wink and a mischievous grin.

## 4. Results

Our study unearthed a remarkably robust correlation between air pollution levels in Taos, New Mexico, and the tumultuous trajectory of Tesla's stock price (TSLA) from 2011 to 2021. With a correlation coefficient of 0.9922663, an r-squared of 0.9845924, and p < 0.01, we were left breathless by the strength of this unexpected link. Our findings dance on the edge of absurdity, but they are not to be sneezed at!

Figure 1 illustrates the whimsical waltz between air pollution levels in Taos and Tesla's stock price, showcasing the tight embrace of these seemingly disparate variables. The scatterplot paints a picture more intricate than a web of financial derivatives, demonstrating the uncanny connection that has left even the most seasoned stock analysts scratching their heads. The p-value of less than 0.01 adds a whimsical element to this paradox, suggesting that the likelihood of such a strong relationship occurring by mere chance is as rare as a unicorn sighting on Wall Street.



Figure 1. Scatterplot of the variables by year

findings In summary, our reveal а connection between the air quality in Taos, New Mexico, and Tesla's stock price that is more startling than a sudden stock market crash. This correlation unveils an unlikely narrative where the health of the environment intertwines with the vicissitudes of the stock market, leaving us pondering the capricious nature of financial performance and environmental factors.

#### 5. Discussion

Ah, the whimsical waltz of data analysis has led us to a peculiar partnership indeed! In the grand ballroom of statistics, our findings have twirled and tangoed with an unexpected correlation between air pollution levels in Taos, New Mexico, and the electrifying performance of Tesla's stock price (TSLA).

Who would have thought that the dusty desert air of Taos could reach all the way to Wall Street and dance the stock prices of an electric vehicle company like a marionette on a string? It seems this paradoxical pair has spun a tale as astonishing as a unicorn sighting in the stock market arena. Fueled by a correlation coefficient akin to a robust oak tree, our results have certainly left us breathless, not just from the air pollution.

Our delighted discovery aligns with previous research on the adverse impact of air pollution on stock prices in urban areas. As Smith et al. (2015) and Doe and Jones waltzed through (2018) the concrete unveiled jungles, they negative а association between air quality index and stock performance. Similarly, our findings pirouette in tandem with these studies, revealing that even in the enchanting expanse of Taos, the ghost of air pollution can haunt the stock market.

The whimsical whispers of "The Air We Breathe" by A. Clear (2007) and the suspenseful suspense of "Emissions of Enigma" by R. Mystery (2015) seem less like fiction and more like clairvoyant predictions of our own findings. The air in Taos has potential to become as powerful and influential as any stock market rumor.

Furthermore, study unearths our а serendipitous link that aligns with the from CVS cheekv insights receipts. reminding us that the most unexpected places can offer unexpected wisdom. So, as we navigate the financial market, let us not discount the humbling hilarity of finding correlations in the most whimsical of places.

In essence, our results have tickled the ribs of stock analysts far and wide, ushering in a new era where the breezes of Taos have a whisper in the stock market's ear. The potential implications of this unexpected relationship are as boundless as a desert horizon, urging us to contemplate the unpredictable interplay between environmental factors and financial performance. The world of finance and the atmosphere of Taos may have just twirled into an unlikely pas de deux, and we

eagerly await the encore of this whimsical, yet serious, tango.

#### 6. Conclusion

#### CONCLUSION

As we bid adieu to this whimsical waltz through the world of finance and environmental science, we are left with a breath of fresh air and a portfolio of puntastic revelations. Our study has unraveled the enigmatic connection between the air pollution levels in Taos, New Mexico, and Tesla's stock price, leaving us in a state of disbelief akin to stumbling upon a unicorn in a financial district.

The robust correlation coefficient and pvalue that is rarer than spotting a leprechaun riding a green Tesla in Taos on St. Patrick's Day have left us humbled by the intricacies of this peculiar pairing. It seems that the whims of Wall Street may be as fickle as the whims of the wind, as Tesla's stock price dances to the tune of Taos' tainted air.

As we conclude this odyssey of oddities, it is clear that no more research is needed in this area. The connection between air pollution in Taos and Tesla's stock price is as solid as a well-constructed financial model – and as unlikely as a hedge fund manager moonlighting as a stand-up comedian.

In the realm where pollution and profits collide, this paradoxical pairing has tickled our funny bones and expanded our understanding of the unpredictable forces that shape the stock market. So, let us bid farewell to this peculiar tale and venture forth to seek new frontiers of financial folly and environmental eccentricities. After all, who said academic research couldn't be a whimsical whirlwind of statistical prowess and stock market shenanigans?