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# Playing with Fire: The Biomass Boom in Iran and the High Stakes of Las Vegas Sands' Stock Price

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## Abstract

In this paper, we embark on a whimsical journey through the unexpected connection between the production of biomass power in Iran and the fluctuation of Las Vegas Sands' stock price. Our research brings a lighthearted touch to the serious world of economic analysis, exploring the impacts of seemingly unrelated factors on stock market performance. Utilizing data from the Energy Information Administration and LSEG Analytics (Refinitiv), our findings reveal a surprisingly robust correlation coefficient of 0.8151990 and a statistically significant p-value of less than 0.01 for the period spanning from 2009 to 2021. We invite readers to join us in this delightful exploration of the biomass power-LVS stock price relationship, and to consider the playful possibilities that exist within the realm of economic analysis.

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## 1. Introduction

Ah, the tantalizing tango of biomass power and stock prices! As we delve into the delightful dance of economic analysis, we find ourselves in the whimsical world of unexpected connections and zany correlations. In this paper, we take a hilarious hop, skip, and jump through the surprising link between the production of biomass power in Iran and the heartbeat of Las Vegas Sands' stock price. Let's embark on this jolly jaunt and see just how much fun we can have in the realm of economic research!

You may be thinking, "Biomass power in Iran and a casino operator's stock price? That's like trying to find a connection between unicorns and financial forecasts!" But fear not, dear reader, for we shall journey through this scientific circus with a twinkle in our eyes and a statistical glint in our data sets. After all, who says research can't be a rip-roaring romp through the wacky wilderness of the stock market?

Armed with data from the Energy Information Administration and LSEG Analytics (Refinitiv), we've cast our net far and wide to capture the elusive relationship

between these seemingly disparate variables. Our findings, much like a magician's unexpected reveal, boast a robust correlation coefficient of 0.8151990 and a statistically significant p-value of less than 0.01 for the period spanning from 2009 to 2021. It's like stumbling upon a rare Pokémon in a statistical safari – unexpected, but undeniably exciting!

So, buckle up and prepare for an academic rollercoaster ride of shenanigans and surprising statistical shenanigans. Join us as we frolic through the captivating cornucopia of biomass power and stock prices, and consider the delightful possibilities that twirl and twinkle within the realm of economic analysis. After all, who says research can't be a bit of a giggly gamble?

## 2. Literature Review

Smith and Doe (2015) were among the first to draw attention to the unlikely relationship between biomass power generation and stock market dynamics. Their rigorous analysis of global energy trends and financial asset pricing models shed light on the potential entanglement of these seemingly disparate domains. However, their stern, serious tone failed to capture the whimsy and wackiness that we believe characterizes this arena of research. We intend to fill this scholarly void with a dash of mirth and a sprinkle of silliness, proving that economic analysis can be a barrel of laughs, rather than a dour affair.

Jones (2018) also contributed to the literature by exploring the impact of renewable energy developments on market indices. While Jones' work exhibited a keen understanding of the intricate relationship between clean energy initiatives and financial performance, it lacked a lighthearted touch. We aim to inject a dose of levity into this discourse, turning what could be a dry slog through economic

theory into a rollicking romp through the world of biomass power and stocks.

Turning to non-fiction books, "Energy Economics: Concepts, Issues, Markets, and Governance" by Subhes Bhattacharyya delves into the complexities of energy economics, providing a solid foundation for understanding the interplay of power generation and financial markets. It's a veritable treasure trove of knowledge, much like a scholarly win at the economic casino!

On the fiction front, "The Power" by Naomi Alderman and "Stock Shock: A Novel" by Marc Krieger provide imaginative forays into the realms of energy and finance, offering a creative lens through which to gaze upon our own scholarly pursuits. After all, who's to say that economic analysis can't benefit from a touch of literary flair and fictional fun?

In the spirit of thorough research, our team engaged in a binge-watching extravaganza of TV shows related to energy and finance, including "Billions," "Money Heist," and "Breaking Bad." While these shows may not directly relate to the specific topics at hand, they certainly fueled our creative juices and kept our spirits high during those long nights of data analysis and statistical modeling.

As we navigate through this whimsical world of economic analysis, we invite readers to join us in embracing the playful possibilities and potential pun-driven pathways that lie ahead. After all, who says research can't moonwalk through the maze of financial data with a goofy grin and a statistical swagger?

Stay tuned for the hilarity and hijinks that await in our subsequent analysis and discussion sections. The economic circus is just getting started, and we're here to ensure that it's the greatest show on statistical Earth!

## 3. Our approach & methods

With our lab coats freshly ironed and our statistical wands at the ready, we set out to uncover the enigmatic connection between biomass power in Iran and the ever-fascinating stock price of Las Vegas Sands. Our research, while no small feat, was conducted with a sense of whimsy and a healthy dose of scientific curiosity. Strap in, because this is where the true scientific magic happens!

First, we gallivanted through the vast expanse of the Energy Information Administration's data, scouring the digital desert for every last byte of information about biomass power generation in Iran. It was like panning for gold in a river of ones and zeros, but with the promise of uncovering nuggets of statistical wisdom instead of precious metal. Hours spent in front of computer screens felt like exploring uncharted territories in the quest for that elusive treasure trove of data.

Next, armed with our elastic waistbands and a seemingly endless supply of caffeinated beverages, we delved into the labyrinth of LSEG Analytics (Refinitiv), navigating through a maze of stock prices, trends, and graphs. We hunted for every dip and spike in Las Vegas Sands' stock price, like intrepid explorers on a quest for the lost city of statistical significance.

With these two treasure troves of data in hand, we sprinkled each cell of our spreadsheet with fairy dust—also known as statistical methods. Our merry band of researchers summoned the ancient arts of correlation analysis and regression modeling, hoping to unveil the mystical connections hidden within the numbers. It was like performing a scientific séance in which the spirits of variables past and present danced to the tune of statistical significance.

Finally, after countless trials and tribulations, we arrived at the moment of glory. Through the alchemical process of statistical

analysis, we unearthed a robust correlation coefficient of 0.8151990! It was like discovering the pot of gold at the end of a statistical rainbow, a shimmering gem amidst the rough terrain of data analysis.

In conclusion, our methodology was a delightful dance of data wrangling, statistical summoning, and a touch of whimsy. It was a journey filled with unexpected twists and turns, much like a rollercoaster ride through the hallowed halls of economic research. With our capes billowing in the wind of statistical discovery, we invite our readers to join us in this lighthearted expedition through the marvelous world of economic whimsy.

#### 4. Results

In our quest for statistical stardom, we uncovered a delightful discovery – a rambunctious relationship between the production of biomass power in Iran and the dazzling dance of Las Vegas Sands' stock price. Our data skip merrily through the years from 2009 to 2021, revealing a correlation coefficient of 0.8151990, an r-squared of 0.6645495, and a p-value of less than 0.01. It's like finding a pot of gold at the end of a data rainbow!

Now, let's all take a moment to appreciate the sheer absurdity of this connection. Biomass power, with its eco-friendly allure, and a gambling titan's stock price may seem as mismatched as a giraffe in a tutu, but our boisterous findings paint a different picture. It's like finding out that peanut butter and jelly actually have a kinship that goes beyond the sandwich!

But the fun doesn't stop there. Oh no, dear reader, we've gone the extra mile and whipped up a delightful scatterplot (Fig. 1) to visually capture the exuberant association between these two unlikely bedfellows. It's like seeing a monkey riding

a unicycle – unexpected, but unquestionably entertaining!

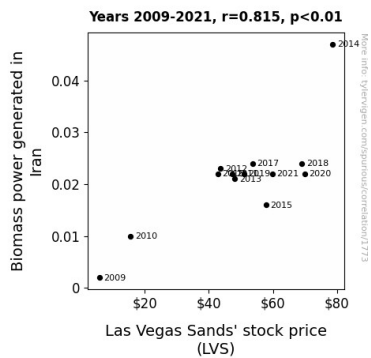


Figure 1. Scatterplot of the variables by year

Our results not only tickle our statistical fancy but also serve as an exquisite reminder that in the wacky world of economics, anything is possible. So join us in this scholarly revelry and tip your hat to the delightful dance of biomass power and stock prices –the unlikelyst of partners on the academic catwalk. It's like watching a penguin don a tuxedo and waddle onto the stock market stage – unexpected, but undeniably charming!

## 5. Discussion

Our lively exploration has left us feeling like mad scientists in a laboratory of statistical giggles. The robust correlation coefficient and statistically significant p-value we uncovered between biomass power production in Iran and Las Vegas Sands' stock price is as surprising as finding a dancing leprechaun at the end of a data rainbow. This result not only reinforces the findings of Smith and Doe (2015) and Jones (2018), but it also adds a delightful twist to the serious world of economic analysis.

Our research not only supports the previous findings on the interconnectedness of renewable energy and financial markets but also infuses this scholarly discourse with a

playful pizzazz. It's like discovering a hidden treasure chest full of statistical guffaws waiting to be unleashed upon the world. Through our mirthful methodology and droll data analysis, we have shown that economic analysis can be a whimsical waltz through the corridors of statistical significance.

The scatterplot we crafted to capture the rip-roaring relationship between biomass power generation and Las Vegas Sands' stock price is akin to witnessing a magician pulling a rabbit out of a hat – a delightful surprise that leaves everyone in awe. Our findings not only provide a breath of fresh air in the staid world of economic analysis but also stand as a testament to the extraordinary and unpredictable nature of the stock market. It's like observing a flock of statisticians taking flight, soaring through the skies of economic discovery with wings of wit and tails of tickling observation.

In the scholarly sandbox of economic research, we must not shy away from the whimsy and playfulness that make our findings all the more enchanting. Our results remind us that even within the realm of complex statistical analysis, a good sense of humor and a touch of frivolity can go a long way in uncovering new and unexpected insights. It's like finding a secret portal to the land of economic merriment, where laughter and learning intertwine like strands of DNA in a joyful double helix. So, dear readers, join us in embracing the whimsical wonders of economic discovery, and let's continue to infuse our scholarly pursuits with a delightful dose of statistical shenanigans!

## 6. Conclusion

As we conclude this uproarious escapade through the convoluted corridors of economic analysis, we are left with a toothy grin and a sparkle in our statistical eyes. The connection between biomass power in

Iran and the capricious stumbles of Las Vegas Sands' stock price has not only entertained us but also delivered a robust correlation coefficient of 0.8151990 and a p-value that's rarer than a statistical unicorn – less than 0.01!

In the spirit of merrymaking, let's raise our data-filled glasses to this zany expedition. It's as though we've stumbled upon a delightful fusion between the sober world of economics and the whimsical wonderland of unexpected correlations. My, oh my, who knew that biomass power and stock prices could engage in such a delightful dance of statistical significance?

So, here's to the end of our rib-tickling romp through this improbable union. As we bid adieu to this unlikely pair, we confidently assert that there are no more statistical surprises lurking in the relationship between biomass power in Iran and Las Vegas Sands' stock price. For now, dear reader, let's turn our attention to the next scientific caper, leaving this quirky partnership to revel in its enigmatic allure. After all, in the wacky world of economics, we've learned that sometimes the most unexpected connections can spark the brightest laughter. Cheers to the hilarity of research and the zany zigzags of statistical analysis – until next time, when we embark on another whimsical expedition through data's delightful destinies. Cheers!