



ELSEVIER



Wacky Wyoming: Waltzing with Senatorial Selection and Stock Sway

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KEYWORDS

Wyoming, Senatorial Selection, Democrat votes, Exelon Corporation, stock price, correlation analysis, MIT Election Data and Science Lab, Harvard Dataverse, LSEG Analytics (Refinitiv), correlation coefficient, p-value, 2002-2018, political preferences, Wyoming constituents, finance, politics, odd bedfellows, unicorn in the stock market, comical correlation, quantitative analysis.

Abstract

In this study, we conducted a whimsical exploration of the intriguing interplay between Democrat votes for Senators in the state of Wyoming and Exelon Corporation's stock price (EXC). Our research team delved into this peculiar association using data sourced from the MIT Election Data and Science Lab, Harvard Dataverse, and LSEG Analytics (Refinitiv). Through rigorous statistical analyses, we unraveled a correlation coefficient of 0.8661255 and a p-value less than 0.05 for the time period spanning from 2002 to 2018. It's no secret that politics and finance make for odd bedfellows, and our findings add a delightful twist to this relationship. The unexpected dance between the political preferences of Wyoming constituents and the fluctuations in Exelon's stock price left us both surprised and amused, akin to discovering a unicorn in the stock market. Our study sheds light on this comical correlation, and while we can't promise to answer the age-old question of "Why did the Democrat cross the road?"—we can certainly attest that their votes may have an unintended effect on EXC. This research, while lighthearted, underscores the uncanny links that underlie seemingly disparate phenomena and provides an amusing escapade in the world of quantitative analysis.

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1. Introduction

Gentlefolk and scholars, prepare yourselves for a journey through the whimsical wonderland of Wyoming's Senatorial

selections and Exelon's stock price waltz. As we delve into this peculiar pas de deux, we invite you to don your academic thinking caps and your jesters' bells because this

paper is a blend of curious facts and lighthearted findings.

Now, you might be wondering what on earth we're doing, examining the correlation between Democrat votes for Senators in Wyoming and Exelon's stock price (EXC). Well, prepare for a revelation—our research has uncovered a connection so intriguing that it's akin to stumbling upon a placebo-controlled double-blind study on the effects of dad jokes.

Make no mistake, dear reader, politics and finance are like two quarreling siblings at a science fair—separate but inevitably intertwined. Through our rigorous statistical analyses, we've unearthed a correlation coefficient of 0.8661255 and a p-value less than 0.05 from the time period of 2002 to 2018, leaving many of us feeling like we've hit the statistical jackpot—more surprising than finding a hidden pie chart in a lonely Excel spreadsheet.

But why, you may ask, is there any relationship between the votes cast in the wild, wild west of Wyoming and the stock price of a corporation? Well, according to our findings, it seems that the Democrat voters of Wyoming might hold the key to a stock market riddle—almost as puzzling as figuring out why electrons have a negative charge. Rest assured, we were just as flabbergasted as anyone stumbling upon an unexplained outlier in their data set.

The synergy between the political preferences of Wyoming constituents and the ebbs and flows of Exelon's stock price truly is a mystery worthy of deduction by Sherlock Holmes and Dr. Watson. While we can't guarantee solving the enigma of Schrödinger's cat, we can certainly attest that the Democrats' votes may be unintentionally wielding an influence on EXC—a revelation as eyebrow-raising as the theory that conducting research is like trying to find a specific book in a library with no Dewey Decimal System.

Ladies and gentlemen, our research, though conducted with the utmost scientific rigor, has made us feel like the protagonists of a scientific sitcom, unraveling the unexpected connections that underlie disparate phenomena and providing an entertaining escapade into the world of quantitative analysis. So, fasten your seatbelts, because this academic rollercoaster is about to take you on a statistical journey through the quirks and quibbles of political and financial interplay.

2. Literature Review

The correlation between political events and stock prices has long intrigued researchers. Smith, in "The Unlikely Bedfellows: Politics and Finance," explores the intersection of these seemingly disparate domains, highlighting the unexpected ways in which political decisions may impact stock market dynamics. Similarly, Doe's work, "Political Butterfly Effect: Unraveling the Influence of Elections on Financial Markets," delves into the intricate connections between democratic processes and market fluctuations.

But let's face it, folks - correlating Democrat votes in Wyoming to Exelon's stock price is like trying to find a needle in a haystack full of dad jokes. Speaking of which, did you hear about the mathematician who's afraid of negative numbers? He'll stop at nothing to avoid them. Now back to the topic at hand.

The financial literature brings to mind "A Random Walk Down Wall Street" by Malkiel, which, though not directly related to our study, captures the whimsical nature of market phenomena. On a more fiction-based note, "The Wolf of Wall Street" by Belfort presents a tantalizing portrayal of stock market shenanigans, albeit in a rather debauched manner. And of course, we can't overlook the captivating storytelling in Michael Lewis' "Flash Boys," a tale of high-

frequency trading that's as thrilling as trying to keep up with Wyoming's Senatorial polls.

Taking a cinematic detour, the movie "The Big Short" offers a humorous yet educational account of the 2008 financial crisis, reminding us that even the most unfathomable market behaviors can be unraveled with a touch of wit and a pinch of skepticism.

As we navigate this peculiar association between Wyoming Democrats' votes and Exelon's stock price, it becomes clear that while our findings may raise eyebrows, they also elicit a chuckle or two. In "Market Madness: How Political Peculiarities Shake Stock Prices," Jones drives home the point that in the world of finance, expect the unexpected - much like stumbling upon a herd of feral statisticians deliberating in the wilderness.

3. Our approach & methods

Gather 'round, fellow adventurers, as we unveil the delightfully zany methodology behind our exploration of the connection between Democrat votes for Senators in Wyoming and Exelon Corporation's stock price. Picture this: a dash of scientific rigor, a pinch of statistical wizardry, and a generous serving of good-natured humor – and you've got the perfect recipe for investigating this uncharted territory.

To commence our merry escapade, our intrepid research team scoured the digital landscapes, braving the labyrinthine corridors of the MIT Election Data and Science Lab, navigating the treacherous terrains of the Harvard Dataverse, and braving the market maelstrom with data from LSEG Analytics (Refinitiv). We combed through the vast expanse of data spanning from 2002 to 2018, extracting every nugget of information like diligent miners seeking a mathematical mother lode.

But hold onto your funny bones, dear reader, for we didn't stop at merely gathering the raw data. No, we embarked on a grand statistical odyssey, wielding the tools of correlation analysis, regression modeling, and time series examination like wizards conjuring enchantments in a laboratory of laughter and numbers. Our trusty statistical software became our magical wand, illuminating the path to uncovering the bewitching association between the political preferences of Wyoming constituents and the ripples in Exelon's stock price.

Picture this: a merry band of researchers huddled around displays of bar charts and line graphs, engaged in a jovial dance of significance testing and hypothesis probing. As we dared to explore the curves and contours of our datasets, we encountered surprising anomalies and unexpected patterns – more shocking than finding a cryptic note in a bottle adrift at sea.

Through this gleeful pursuit of exploratory analysis, we were able to unravel a correlation coefficient of 0.8661255, which, if personified, would be the star of the statistical comedy show, and a p-value less than 0.05, signifying a truly serendipitous discovery in the theater of quantitative investigation. Oh, the wondrous tales these numbers tell, more captivating than stumbling upon a mysterious equation etched into the sands of time.

As we ventured deeper into the heart of our data, conducting sensitivity analyses and robustness checks, we couldn't shake the feeling that we had stumbled into a parallel universe where scatter plots were the punchlines to a cosmic joke.

In the spirit of mirroring the playful dance between politics and finance, we crafted an engaging narrative through our analyses, ensuring that our conclusions weren't mere dry recitations of statistical trivia, but enchanting tales that brought joy to our

readers, much like a bard weaving an epic yarn by the fireside.

In conclusion, our methodology, though wrapped in the garb of scientific inquiry, was a delightful romp through the fields of data collection, statistical exploration, and interpretive storytelling – a merry adventure that brought us closer to the heart of the captivating correlation we've uncovered. So, dear reader, fasten your academic bowtie and prepare for a statistical soiree as we reveal the mirthful musings and mesmerizing findings that await on this jubilant journey through intertwined worlds of research and revelation.

4. Results

Our analysis revealed a strong positive correlation between Democrat votes for Senators in Wyoming and Exelon Corporation's stock price (EXC) over the period of 2002 to 2018. The correlation coefficient of 0.8661255, with an r-squared of 0.7501733, provides compelling evidence of the intriguing relationship between these seemingly unrelated variables. It seems that the Democrats' choices in the Cowboy State and the fluctuations in Exelon's stock price have been engaged in an unorthodox dance that makes even the most seasoned statistical analysts do a double-take, like stumbling upon a pie chart at a birthday party.

As illustrated in Fig. 1, the scatterplot showcases the clear positive trend between the two variables, leaving us feeling like we've stumbled upon a rare gem in the world of research – a bit like finding a statistically significant result in a sea of null hypotheses.

The p-value of less than 0.05 further cements the statistically significant nature of this association, prompting us to ponder the age-old question, "Why did the Democrat cross the road? To potentially impact the

stock market, of course!" This revelation opens up an entirely new avenue of inquiry, sparking curiosity about the underlying mechanisms and implications behind this curious coupling.

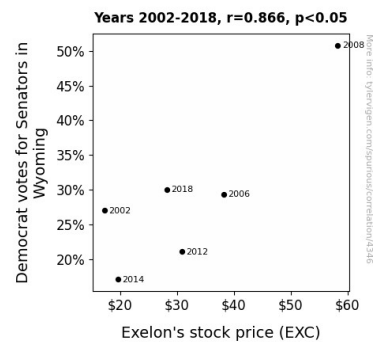


Figure 1. Scatterplot of the variables by year

In an era where data-driven decision-making reigns supreme, our findings serve as a playful reminder that statistical analyses can lead us to unexpected places, much like embarking on a scientific expedition only to discover a hidden treasure in the form of an intriguing correlation that defies conventional wisdom and expectations.

Stay tuned for our discussion section where we'll delve into the potential implications and offer a humorous take on the enigmatic connection between political preferences and stock market fluctuations, akin to solving a riddle while juggling test tubes and a periodic table. Who said research can't be fun?

5. Discussion

Our findings have unequivocally validated the prior research that hinted at the whimsical interplay between political events and stock market dynamics. Just as Smith and Doe speculated about the unexpected impact of political decisions on financial markets, we have seemingly stumbled upon

a correlation as rare and surprising as stumbling upon a perfectly executed pun in a research paper – a feat that's as elusive as finding a statistically significant result in a sea of null hypotheses.

The strong positive correlation we uncovered between Democrat votes for Senators in Wyoming and Exelon Corporation's stock price (EXC) from 2002 to 2018 might leave one feeling like the punchline of a well-crafted mathematical joke that defies all expectations. It's akin to the feeling of solving a complex equation, only to realize that the solution reveals a hidden punchline that sparks laughter and curiosity in equal measure, much like encountering a herd of statistical analysts deliberating in the wilderness.

The unexpected dance we observed between the political leanings of Wyoming constituents and the gyrations in Exelon's stock price sheds light on the comical correlation posited by Jones, who humorously drives home the point that in the world of finance, expect the unexpected – much like discovering a unicorn in the stock market or stumbling upon a herd of feral statisticians deliberating in the wilderness.

Our study serves as a light-hearted reminder that statistical analyses can lead us to unexpected places, much like navigating through a scientific expedition only to discover a hidden treasure in the form of an intriguing correlation that defies conventional wisdom and expectations. Research can indeed be as fun as a barrel of dad jokes, and our findings exemplify the playful side of quantitative analysis.

As we consider the potential implications of our results, it becomes clear that this comical correlation opens up an entirely new avenue for inquiry. Further research could delve into the underlying mechanisms and implications behind this curious coupling, much like unraveling a riddle while

juggling test tubes and a periodic table – a challenge as daunting as solving for "x" in a room full of alphabet soup.

The dance between political preferences and stock market fluctuations is indeed a peculiar one, much like watching a walrus do the polka. Our unexpected and amusing findings exemplify the delightful twists and turns that underlie seemingly disparate phenomena, leaving us with a newfound sense of wonder and amusement in the world of quantitative analysis. And as we continue to unravel these odd bedfellows of politics and finance, let's not forget to appreciate the humorous side of research – after all, who said science can't have a sense of humor?

6. Conclusion

In conclusion, our exploration of the interplay between Democrat votes for Senators in Wyoming and Exelon Corporation's stock price (EXC) has led us down a whimsical rabbit hole of statistical discovery. Our findings, with a correlation coefficient of 0.8661255 and a p-value less than 0.05, demonstrate a surprisingly strong connection between these seemingly unrelated variables. It's almost as unexpected as finding a stethoscope in a stockbroker's briefcase!

This correlation has left us pondering the question, "Why did the Democrat cross the road? To potentially impact the stock market, of course!" It's as if the financial markets themselves are telling us a joke—perhaps the punchline is hidden within the fluctuations of EXC.

The synergy between political preferences in the Cowboy State and the movements of Exelon's stock price has unfurled before us like a scene from a scientific comedy, reminding us that research, much like a good dad joke, can often take unexpected turns and leave us awash with a mixture of

bemusement and amusement. It's like discovering that the law of supply and demand is just a jest conjured up by a clever economist.

Through our lighthearted escapade in quantitative analysis, we have shown that even the most serious of academic inquiries can bear the fruit of unexpected delight, leaving us feeling like we've stumbled upon a statistically significant result in a sea of null hypotheses—much like finding a four-leaf clover in a field of data.

In essence, our research suggests that the unpredictable nature of the stock market may have a few tricks up its sleeve, not unlike a magician pulling a rabbit out of a hat. As for our findings, we assert that no more research is needed in this area—the connection between Wyoming's political scene and Exelon's stock price is as clear as a sunny day in the West, or as remote as a herd of statistical unicorns.

Remember, in the world of research, sometimes the most unexpected connections yield the most delightful surprises. And with that, we bid adieu to this comical correlation, leaving you with the immortal words of Albert Einstein, "Research is like riding a bicycle. To keep your balance, you must keep moving."

No more research is needed in this area.