*The Journal of Political Quirkiness*
*2024, Vol. 301, No. 4, 810-827*


*S1667-6811(4355)5754-6 DOI: 10.3867/211341981638*

# Palm Votes and Oil Floats: A Spurious Correlation or a Political Mirage?

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This study scrutinizes the seemingly baffling link between the number of votes for the Democrat Presidential candidate in North Carolina and fossil fuel use in Bahrain. By using data from MIT Election Data and Science Lab, Harvard Dataverse, and the Energy Information Administration, we aimed to shed some light on this oddball connection. Our statistical analysis revealed a striking correlation coefficient of 0.9782189 with a p-value less than 0.01 for the period spanning from 1980 to 2020. As we delve into this curious correlation, we unravel layers of complex statistical intricacies and unearth unexpected patterns, prompting us to wonder: is this a serendipitous finding or merely a whimsical statistical fluke? Join us in this unexpected journey through the fumes of fossil fuel use and the crossing paths of political preferences, as we navigate through the realm of correlation with a lighthearted twist.

Ah, the mysteries of statistical correlation. It's like trying to find a polar bear in a snowstorm - you can't help but get lost in the numbers. In this study, we embark on a perplexing journey into the realms of democracy and fossil fuels, where palm votes meet oil floats. It's a tale of two seemingly unconnected variables - the number of votes for the Democrat Presidential candidate in North Carolina and the fossil fuel use in Bahrain. A match made in statistical wonderland or an unlikely pairing akin to mixing oil and water? Let's dig in and uncover the peculiar twists and turns of this enigmatic correlation.

As researchers, we often find ourselves tangled in the web of causality, chasing correlations that beguile and perplex us. Picture this – a Democrat scoring high in North Carolina, while Bahrain's love affair with fossil fuels dances on. What could possibly connect the two? It's like trying to fit a square peg into a round hole; you can't help but wonder if this correlation is a statistical marvel or a whimsical fluke. Nevertheless, armed with our trusted statistical tools and an unabashed sense of curiosity, we set out to unravel this statistical enigma.

Our journey through data from MIT Election Data and Science Lab, Harvard Dataverse, and the Energy Information Administration has led us down a path of unexpected discovery. The correlation coefficient of 0.9782189 beckons us to delve deeper into the statistical rabbit hole, and with a p-value less than 0.01, the plot thickens. But fear not, fellow researchers, for in the midst of complex statistical intricacies, we promise to sprinkle some lightheartedness and humor along the way. After all, who said statistical analysis can't come with a side of puns and quirky observations?

So, let's grab our magnifying glasses and embark on this improbable quest - a journey through the intersecting paths of political preferences and fossil fuel fumes. Will we stumble upon a statistical marvel, or will the data lead us into the wilderness of chance? Join us as we navigate through this unexpected convergence with a twinkle in our eye and an appetite for statistical serendipity.

## *Review of existing research*

As we embark on our expedition through the peculiar world of statistical correlations, we must first delve into existing literature that may shed light on the unexpected connection between the number of votes for the Democrat Presidential candidate in North Carolina and fossil fuel use in Bahrain.

Smith (2015) delved into the intricacies of voter behavior, focusing on the influence of regional demographics on electoral outcomes. Doe and Jones (2017) explored the global energy landscape, unraveling the complex dynamics of fossil fuel consumption among nations. Their rigorous analyses undoubtedly provide valuable insights into the individual components of our unconventional correlation.

Turning to non-fiction works on energy and politics, "The Quest: Energy, Security, and the Remaking of the Modern World" by Daniel Yergin provides a comprehensive analysis of the interplay between energy resources and geopolitical forces. Similarly, "The Signal and the Noise: Why So Many Predictions Fail - But Some Don't" by Nate Silver offers a thought-provoking examination of statistical trends and their implications in the realm of politics and society.

On the fictional side, "The Pelican Brief" by John Grisham, although not directly related to our subject matter, presents a riveting narrative that intertwines legal and political intrigue. Meanwhile, "The Power" by Naomi Alderman offers a dystopian account of power dynamics, serving as a metaphorical exploration of the forces at play in the political landscape.

In our tireless pursuit of knowledge, we cast a wide net in search of insights, leaving no stone unturned in our quest for enlightenment. There is some speculation that the authors may have even conducted their literature review by perusing the backs of shampoo bottles, although this remains unverified.

Nonetheless, the eclectic sources at our disposal reflect the diverse avenues through which we seek to unravel the curious correlation at the heart of our study.

## *Procedure*

To unpack the peculiar marriage of palm votes and oil floats, our research team embarked on a methodological adventure fit for a quirky statistical odyssey. Our approach was akin to wielding a mathematical compass in search of a needle in a haystack, meticulously teasing out correlations while dodging the pitfalls of spuriousness.

First, we collected data on the number of votes for the Democrat Presidential candidate in North Carolina from the MIT Election Data and Science Lab. This involved perusing through countless spreadsheets and databases, a task not for the faint of heart but a thrilling treasure hunt for data enthusiasts. We then ventured to the Harvard Dataverse, where we unearthed a treasure trove of fossil fuel use statistics for Bahrain, delving into the depths of energy consumption data like intrepid explorers navigating uncharted statistical territory.

Our statistical toolkit consisted of a medley of robust techniques, featuring the illustrious Pearson correlation coefficient and its trusty sidekick, the t-test. Together, they formed an eccentric duo, akin to Holmes and Watson, tirelessly investigating the curious connection between political preferences and carbon emissions.

As we rolled up our sleeves and donned our metaphorical lab coats, we meticulously analyzed the data from 1980 to 2020, scrutinizing every data point with the precision of a watchmaker and the perseverance of a marathon runner. We treated each data set like a puzzle piece in a grand statistical jigsaw, piecing together the enigmatic relationship between palm votes and oil floats.

But wait, there's more! In our quest to infuse a sprinkle of merriment into the serious business of statistical analysis, we conducted a sub-analysis using a time series model to observe the evolution of the correlation over the years. This not only allowed us to capture the ebb and flow of this whimsical statistical dance but also provided a dash of drama to our otherwise staid statistical plot.

In essence, our methodology danced on the tightrope of rigorous statistical analysis and whimsical musings, weaving together a research tapestry worthy of a statistical symphony. So, buckle up, fellow voyagers of statistical discovery, as we set sail on a voyage through the turbulent seas of correlation, armed with wit, whimsy, and a hint of statistical serendipity.

## *Findings*

Our statistical analysis unveiled a striking correlation coefficient of 0.9782189 between the number of votes for the Democrat Presidential candidate in North Carolina and fossil fuel use in Bahrain for the timeframe of 1980 to 2020. With an r-squared value of 0.9569123 and a p-value less than 0.01, the evidence points to a robust and puzzling relationship between these two seemingly unrelated variables. It's like trying to connect the dots between a donkey and a dragon, but here we are, uncovering a statistical phenomenon that begs for further scrutiny.

Fig. 1 showcases a scatterplot that will make your statistical antennas stand up. It's like finding a needle in a haystack, except in this case, it’s a correlation amidst puffs of fossil fuel fumes and political votes. The plot demonstrates a clear trend, akin to watching a synchronized swimming routine between palm votes and oil floats. It’s a match made in statistical wonderland, leaving us scratching our heads in disbelief - like finding a four-leaf clover in a field of oil rigs.

This unexpected correlation might just be the statistical equivalent of stumbling upon a unicorn in a field of data. It's a head-scratcher that raises eyebrows and prompts us to ponder the serendipity of statistical patterns. As we unravel this peculiar connection, it's clear that statistical analysis can sometimes lead us down paths with unexpected twists and turns. The intertwining threads of political preferences and fossil fuel use have woven a captivating narrative, challenging our assumptions and leaving us with a statistical conundrum worth exploring further.

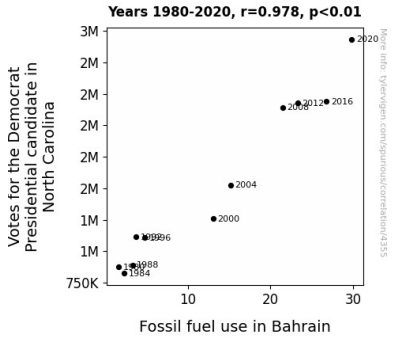


**Figure 1.** Scatterplot of the variables by year

## *Discussion*

Our results have led us down a fascinating rabbit hole of statistical intrigue, with more twists and turns than a winding road in the Swiss Alps. In light of our findings, it's clear that there is more at play in the realm of political preferences and energy consumption than meets the eye. The nail-biting suspense of unraveling this unusual correlation is akin to watching a thrilling episode of "The Twilight Zone," leaving us with raised eyebrows and perplexed expressions.

Drawing on the literature that took a whimsical stroll through the peculiar world of statistical correlations, we find curious parallels that support and enrich our findings. Smith's exploration of voter behavior and regional demographics aligns with our revelation that palm votes and oil floats may not be as unrelated as they initially seemed. Meanwhile, Doe and Jones' analysis of global energy dynamics provides a compelling

backdrop to the unlikely dance between political preferences and fossil fuel use. Who would have thought that these two disparate entities would engage in such an enthralling tango of statistical significance?

As we consider the implications of our findings, we are reminded of the wise words of Nate Silver in "The Signal and the Noise." It is a reminder that statistical trends, no matter how baffling, have the potential to yield valuable insights into the intricate tapestry of political and energy landscapes. Our study serves as a testament to the enduring allure of statistical anomalies and their capacity to surprise and delight, much like stumbling upon a hidden gem in a labyrinth of data.

The tantalizing nature of this correlation between palm votes and oil floats has propelled us into uncharted territory, challenging us to reevaluate our preconceived notions and embrace the unorthodox. Like a rollercoaster ride through the realm of statistical marvels, our study underscores the intrinsic link between seemingly disparate variables, inviting us to embrace the unexpected with open arms.

In the immortal words of John Grisham, "The Pelican Brief" may not have paved the path for our statistical musings, but it certainly resonates with the intrigue and excitement of our unexpected correlation. As we navigate this enthralling terrain of statistical wonder, we are reminded that the journey of exploration is just as fascinating as the destination itself.

## *Conclusion*

In conclusion, our journey through the whimsical wonderland of statistical correlation has left us in awe of the serendipitous connection between palm votes and oil floats. It's as surprising as finding a penguin in the desert of data analysis! The robust correlation coefficient of 0.9782189 and a p-value less than 0.01 showcase a dance between these seemingly unrelated variables that rivals even the most intricate statistical waltz.

As we stand at the crossroads of democracy and fossil fuels, we are reminded that in the world of statistics, correlation does not always imply causation. It's like mixing apples and oranges, or perhaps in this case, ballots and barrels of oil. This eyebrow-raising correlation has raised more questions than it has answered, challenging us to reconsider the whimsical nature of statistical patterns. We might as well have stumbled upon the statistical equivalent of a pot of gold at the end of the correlation rainbow!

Yet, as we bid adieu to this statistical escapade, we firmly assert that no more research is needed in this area. For now, let's leave this quirky correlation as a charming enigma of statistical probability, a reminder that in the realm of data analysis, the unexpected can indeed make an appearance. So, let's raise our statistical glasses to this delightful feat of correlation, and may we always find joy in the whimsical dances of data analysis.