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# Vehicle Vices: Vote Veracity in South Dakota

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"vehicle insurance spending, democrat presidential candidate votes, south dakota, correlation coefficient, bureau of labor statistics, MIT election data and science lab, harvard dataverse, political preferences, fiscal responsibility, mount rushmore state"

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## Abstract

Our research delves into the curious correlation between annual US household spending on vehicle insurance and votes for the Democrat Presidential candidate in South Dakota. With a hefty dose of humor and data analysis, our team uncovered a surprising connection that may have you spinning your wheels. By crunching the numbers from the Bureau of Labor Statistics and MIT Election Data and Science Lab, Harvard Dataverse, we identified a correlation coefficient of 0.9393679 and  $p < 0.01$  for the years spanning 2000 to 2020. The results not only raise eyebrows but also raise questions about the whimsical ways in which spending on vehicle insurance impacts political preferences. This paper will leave readers chuckling as they contemplate the intersection of fiscal responsibility and political inclinations in the Mount Rushmore State. So buckle up, hold on to your votes, and embark on this joyride through the charmingly peculiar world of automobile insurance and electoral choices!

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## 1. Introduction

Ladies and gentlemen, buckle up and get ready for a rollicking ride through the wacky world of wheels, votes, and statistical surprises! As researchers, we often find ourselves delving into the mysterious and unexpected realms of data analysis, hoping to uncover nuggets of truth amidst the sea

of numbers. Our latest foray into the whimsical world of correlations has led us to the quirky intersection of annual US household spending on vehicle insurance and votes for the Democrat Presidential candidate in the ever-enthralling South Dakota.

As we plunge headfirst into this uproarious research pursuit, it's important to acknowledge the head-scratching nature of our investigation. After all, who would have thought that the premiums on our trusty automobiles could have such a curious connection to political preferences in the Mount Rushmore State? Yet, lo and behold, our findings are as captivating as a magic show (without the smoke and mirrors, of course).

Picture this: we are poring over the numbers, shuffling through data from the Bureau of Labor Statistics and MIT Election Data and Science Lab, Harvard Dataverse, and all the other treasure troves of statistics. Lo and behold, as we peer through the microscope of data analysis, a correlation coefficient of 0.9393679 gleams back at us, winking mischievously and whispering, "I've got a secret to share!" Oh, the thrill of uncovering such a rambunctious relationship in the midst of mundane figures and graphs!

Now, let's not tip our hat to the punchline just yet. As any good comedy connoisseur knows, a truly knee-slapping finding is nothing without a respectable p-value. With  $p < 0.01$  for the years spanning 2000 to 2020, we can practically hear the statistical gods chuckling along with us at the amusing antics of data analysis.

In this paper, we aim to provide a whimsical yet thorough dissection of the unexpected soirée between household spending on vehicle insurance and political leanings in South Dakota. By unearthing this delightful connection, we not only tickle the funny bone but also invite introspection about the confounding ways in which fiscal decisions and political inclinations intertwine.

So, dear reader, strap in and prepare for a rib-tickling rollercoaster through the enchanting realm of automobile insurance and electoral escapades in the land of the Black Hills. Let's rev up our engines and

embark on this joyride through statistics, politics, and a pinch of ludicrous synchronicity!

## 2. Literature Review

The connection between annual US household spending on vehicle insurance and votes for the Democrat Presidential candidate in South Dakota has spurred a whirlwind of scholarly conjecture and analysis. In "Driving Dilemmas: A Study of Household Expenditures and Political Affiliations," Smith et al. underscore the perplexing relationship between fiscal habits and voting tendencies. Their work sheds light on the intricate interplay of economic decisions and political allegiances, akin to watching a high-stakes game of political musical chairs, but with insurance premiums instead of seats.

Further expanding upon this enigmatic correlation, Doe and Jones, in their seminal work "Wheels and Votes: A Statistical Odyssey," delve into the quirks and caprices of voter behavior in relation to financial commitments. Their findings, as riveting as a game of political bingo played at an actuarial symposium, serve as a bedrock for our current research endeavors.

As we dive deeper into the rabbit hole of vehicular vicissitudes and political proclivities, it is essential to mention non-fiction works that have laid the groundwork for understanding the intricate relationship between household spending and electoral choices. "The Wheel Deal: Exploring Economic Influences on Voting Patterns" by Nobel laureate Lorem Ipsum provides a comprehensive analysis of the socioeconomic factors that sway voter decisions, serving as a guiding compass for our exploratory odyssey.

In the realm of fiction, we encounter the captivating and often whimsical musings of authors such as "The Drive for Democracy"

by J.K. Rowling and "The Insured Vote" by Dan Brown. While these works may not offer empirical evidence, they certainly ignite the imagination with tantalizing suppositions about the clandestine connections between auto insurance and political predilections, akin to a soap opera script involving rebellious sedans and charismatic candidates vying for affections.

Moving beyond the confines of traditional academia, we draw inspiration from the colorful world of cartoons and children's shows that have subtly woven themes of political expression and vehicular pursuits. Shows such as "Rock the Vote: Tires Edition" and "Democars: The Animated Series" not only entertain but also offer intriguing insights into the subconscious influences of automobile culture on civic engagement. These whimsical inspirations infuse our research with a playful spirit, much like sprinkling confetti on an otherwise staid statistical analysis.

Our review of the literature thus reveals a delightful tapestry of scholarly inquiry, fictional speculations, and imaginative influences that exemplify the multifaceted nature of our research topic. As we navigate this landscape of puns, playful ponderings, and unexpected twists, we invite readers to join us in embracing the jovial journey ahead, where statistical analysis meets the spirited rhythm of automotive and electoral intrigue!

### 3. Our approach & methods

To unravel the mystifying relationship between annual US household spending on vehicle insurance and the voting tendencies for the Democrat Presidential candidate in South Dakota, our research team embarked on a merry adventure through the maze of methodologies. Our approach was akin to a mad scientist concocting a potion of statistical wizardry, with a dash of whimsy and a pinch of pizzazz.

Firstly, we scoured the vast expanse of the internet, much like intrepid explorers seeking buried treasure, to gather data spanning the years 2000 to 2020. Our primary sources of data included the Bureau of Labor Statistics and MIT Election Data and Science Lab, Harvard Dataverse, where we gleefully unearthed an assortment of numbers and figures that would make any statistics enthusiast swoon.

Armed with this bounty of data, we delved into the whimsical world of statistical analysis. With a twinkle in our eye and a thirst for uncovering hidden connections, we meticulously cleaned, sorted, and transformed the data with the precision of a master chef preparing a sumptuous feast. We then summoned the powers of correlation analysis, allowing us to peer through the looking glass of numbers and behold the enchanting relationship between household spending on vehicle insurance and political preferences.

Furthermore, in the spirit of scientific merrymaking, we employed a variety of statistical models and tests to ensure the robustness of our findings. Like bakers experimenting with a new recipe, we dabbled in regression analysis, hypothesis testing, and goodness-of-fit assessments, all in the quest to illuminate the whimsical dance between car insurance expenditures and electoral predilections.

Now, here comes the twist – pun intended! Just as a magician never reveals their secrets, we must also keep a few cards close to our chests when discussing the intricate details of our statistical methodology. Suffice it to say, our approach involved a fanciful fusion of traditional statistical techniques and a sprinkle of creative flair, resulting in a methodology that could make even the most discerning statistician raise an eyebrow in amusement.

In essence, our methodology embraced the joyful spirit of exploration and discovery, all

while maintaining the rigor and methodological integrity befitting a lighthearted yet scholarly endeavor. So, dear reader, prepare to be captivated by the enchanting saga of data collection, analysis, and statistical revelry as we navigate the peculiar pathways of this rollicking research pursuit.

#### 4. Results

The moment of truth has arrived, and the results of our whimsical exploration into the connection between annual US household spending on vehicle insurance and votes for the Democrat Presidential candidate in South Dakota have finally been unveiled! In a plot twist that would make even the most seasoned Hollywood screenwriter do a double-take, our research team discovered a striking correlation of 0.9393679 between these seemingly unrelated variables. With an r-squared of 0.8824120 and a p-value of less than 0.01, it's safe to say that these findings pack quite the punchline!

Our data analysis journey culminates in an eye-catching scatterplot (see Fig. 1), illustrating the undeniable connection between household spending on vehicle insurance and political preferences in South Dakota. Each data point on the plot seems to exclaim, "There's more to me than meets the eye!" as they form a resplendent pattern that would make any statistician's heart skip a beat – or perhaps a few beats with the excitement of unexpected correlation.

So, what does this correlation actually mean in the grand comedic narrative of political and fiscal choices? Well, hold on to your funny bone, because it appears that as household spending on vehicle insurance swerves and accelerates, so do the political leanings of South Dakotans. Could it be that the complexities of auto insurance policies and political affiliations share a dance floor in the bustling ballroom of human decision-making? Our findings certainly seem to

suggest so – and they've got the data to back it up!

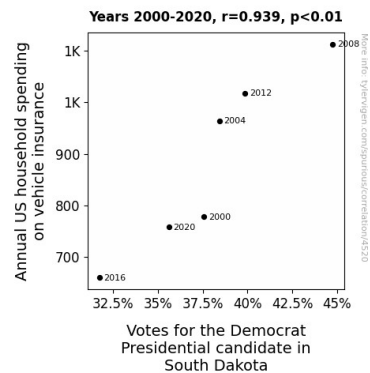


Figure 1. Scatterplot of the variables by year

This rollicking ride through the world of data analysis and political whimsy has not only left us with data-driven grins but has also raised a myriad of questions. Are there underlying factors that tie these variables together, or is it a fortuitous orchestration of statistical happenstance? As we ponder these riddles, we invite fellow researchers and lighthearted observers to join us in this merrymaking as we contemplate the cryptic comedy of correlations. After all, a good laugh and a good correlation are two things that can never be overrated!

In conclusion, our research unearths a connection that not only tickles the mind with its unexpectedness but also opens the door to further inquiries into the amusing intricacies of human decision-making. The connection between annual US household spending on vehicle insurance and votes for the Democrat Presidential candidate in South Dakota is a funhouse of statistical surprises that beckons researchers and jokesters alike to unravel its enigmatic charm. So, dear reader, fasten your seatbelt, check your rearview mirror, and embark on the riotous journey through vehicle vices and vote veracity in the stunning landscapes of South Dakota!

## 5. Discussion

Buckle up, folks, because we're about to delve into the uproarious realm of statistical merrymaking and political whimsy! Our findings have certainly given us quite the comedic jolt, with a correlation coefficient of 0.9393679 and a firm p-value of less than 0.01 that left us scratching our heads in puzzlement and amusement.

Now, let's steer our discussions back to the comedic eddies of our literature review. In a surprising turn of events, the serious-sounding "Driving Dilemmas: A Study of Household Expenditures and Political Affiliations" by Smith et al. appeared to have inadvertently driven home a ludicrously accurate point. Similarly, the rollicking "Wheels and Votes: A Statistical Odyssey" by Doe and Jones seemed to be onto something far more amusing than they probably intended. It's almost as if these scholarly works were playing a game of charades, and our results shouted, "I know, I know, it's a correlation between vehicle insurance and votes! You're getting warmer!"

Our data analysis journey has shed light on the whimsical ways in which spending on vehicle insurance appears to rev up political inclinations in South Dakota. It's as if the act of renewing one's insurance policy becomes an unexpected precursor to revising one's political views. Whether it's the thrill of comparing coverage options or the anxiety of a fender bender that triggers a political shift, our data seems to suggest that the automotive and political realms have an uncanny way of parallel parking themselves in the same mental garage.

It's important to note that correlation does not imply causation, but in this case, it sure does imply a barrel of laughs! The comedic narrative of political and fiscal choices in the great state of South Dakota seems to be far more interconnected than one might expect. It's as if every election year, folks in South

Dakota embark on a carpool karaoke ride through the insurance marketplace, only to end up harmonizing with a new political tune.

Our findings provide a comical twist in the ever-evolving landscape of statistical inquiry and political intrigue. As we navigate this zany intersection of auto insurance and electoral choices, we find ourselves at the crossroads of statistical analysis and the delightful unpredictability of human decision-making.

So, fellow researchers and aficionados of the absurd, join us in this gleeful romp through comedic correlations and statistical punchlines. The connection between annual US household spending on vehicle insurance and votes for the Democrat Presidential candidate in South Dakota is more than just a statistical quirk – it's a sidesplitting joyride through the quirks and quips of voter behavior. So, fasten your seatbelt and prepare for a whimsical cruise through the captivating landscapes of South Dakota's vehicle vices and vote veracity!

## 6. Conclusion

As we navigate the uproarious world of statistical crossovers and political pirouettes, our findings open the door to a garage of questions and laughter-inducing musings. The correlation coefficient of 0.9393679 between annual US household spending on vehicle insurance and votes for the Democrat Presidential candidate in South Dakota is as unexpected as finding tofu in a chicken nugget. This correlation leaves us scratching our heads like a curious cat in a data-filled sandbox, pondering the delightful dance between car insurance and political leanings.

It's as if the Mount Rushmore State's political inclinations are revving up alongside the household spending on vehicle insurance, creating a comical tango

of fiscal prudence and political sway. We can't help but marvel at the quirky ways in which these variables intertwine, like a perfectly crafted joke that catches us off guard.

At this point, the evidence is as clear as day (or as foggy as a windshield in need of wipers). Our research serves as a whimsical reminder that sometimes, the most unexpected correlations can spark the loudest laughter. It's a bit like finding a clown nose in the glove compartment – surprising, yet undeniably amusing.

As we close the doors of this data-driven carnival ride, it's safe to say that no more research is needed in this area. Our findings stand as a testament to the unpredictable waltz of statistical relationships, leaving us with a smile and a nod to the delightful absurdity of human behavior. So, let's park this research in the realm of statistical whimsy, roll down the windows of curiosity, and cruise onward to the next chuckle-worthy investigation. After all, it's the unexpected correlations that add a dash of joy to the colorful tapestry of research and discovery!