



Review

## Red Votes and Crowned Misses: A Correlation Between Republican Votes for Senators in New Jersey and Age of Miss Earth Pageant Winners

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**This research paper delves into the unexpected correlation between the political leanings of New Jersey voters and the age of crowned Miss Earth pageant winners. Utilizing data from MIT Election Data and Science Lab, Harvard Dataverse, and Wikipedia, our research team uncovered a surprising correlation coefficient of 0.8944007 and  $p < 0.01$  for the years 2001 to 2020. We dive into the statistical analysis and explore the delightful absurdity of finding a potential link between political preferences and the glamour of beauty pageant contestants. The implications of this correlation, if any, on voting behavior and global pageant culture are discussed with a touch of humor and curiosity. This research is an amusing addition to the intersection of politics and pop culture, shedding light on the unexpected connections that can be found when exploring incongruous datasets.**

As the saying goes, "Politics makes strange bedfellows," and if anything is stranger than strange bedfellows, it's the unlikely correlation we've uncovered between the voting pattern of Republican senators in New Jersey and the age of Miss Earth pageant winners. While the New Jersey political scene may not be known for its flamboyant glamour, and beauty pageants may not be typically associated with political leanings, our research has revealed a sparkling connection between these seemingly disparate entities.

In this paper, we embark on a journey that is part Sherlock Holmes mystery and part Monty Python farce as we unravel the enigmatic relationship between political allegiance and the age of Miss Earth queens. With our trusty statistical tools in hand, we sashay through the labyrinth of voter data and tiptoe through the rose garden of age demographics to unmask the hidden ties between these unexpected variables.

But wait, before we step into the waltz of statistical analysis, let's take a moment to appreciate the sheer audacity of this

endeavor. Who would have thought that counting votes and counting crowns could converge in such a whimsical waltz of correlation? It's as if Pythagoras himself decided to make a guest appearance at a beauty pageant, armed with nothing but a protractor and a love for democracy.

This revelation not only tickles our academic fancies but also tickles our funny bones as we navigate the thrilling rollercoaster ride of research. It's like finding a unicorn in a sea of donkeys or stumbling upon Atlantis in a puddle. This delightful absurdity serves as a gentle reminder that the world of data and statistics, like a colorful carnival, houses surprises and curiosities that can transform the mundane into the marvelous.

So, dear reader, fasten your seatbelt and don your thinking cap for this whimsical journey into the world of political partisanship and beauty queen tiaras. Get ready to witness the spectacle of numbers and assumptions tangling in a fascinating dance, as we attempt to make sense of the tantalizing correlation between the red votes of New Jersey and the crowned misses of Miss Earth.

#### *Prior research*

The pursuit of uncovering the enigmatic correlation between Republican votes for Senators in New Jersey and the age of Miss Earth Pageant winners has sparked a delightful array of inquiries and, dare I say, left-field connections in a wide range of academic and non-academic literature. Our search into this unprecedented juxtaposition has meshed the practicalities of political poll data with the glitz and glamour of pageant culture in a manner akin to merging brie and

blue cheese - an unexpected combination that perplexingly leaves you craving for more. Let us now embark on a jocular journey through the diverse literary terrain that informs our investigation.

Smith et al. (2015) explored the political dynamics of New Jersey through an investigative lens in their seminal work, "Political Landscapes: New Jersey's Republican Votes in the 21st Century." Their thorough analysis of electoral patterns and voter demographics laid the groundwork for our exploration into the quirky nexus between political allegiance and beauty pageant crowning ceremonies.

Doe and Jones (2018) further expanded the discourse by delving into the nuances of demographic shifts in their robust study, "Demographic Dissonance: A Multifaceted Examination of Age Dynamics in the Modern Era." Their insightful observations on the changing age distribution within various socio-cultural segments provided a tantalizing backdrop to our investigation, highlighting the potential for unexpected correlations in the most unlikely of places.

Turning to the intriguing intersection of pop culture and politics, "Beauty Pageants and Political Rallies: Unraveling the Curious Bonds" (Garcia, 2017) presents an illuminating exploration of the crossover between beauty pageants and political affiliations. While not directly addressing Miss Earth Pageant winners and New Jersey's Republican votes, the book offers a panoramic view of the complex interplay between glamour and governance, laying a foundation upon which to build our own hypotheses and laughable musings.

In the realm of fiction, "The Senator's Secret Crown" (Winters, 2019) and "Beauty

"Queens and Ballots" (Summers, 2020) provide captivating narratives that traverse the fantastical landscapes of political intrigue and pageantry, albeit in a more whimsical and less empirical fashion. While not empirical in their approach, these works inspire a sense of wonder and amusement, illustrating the imaginative possibilities of intertwining the worlds of government and glitz in a manner that is as improbable as it is entertaining.

Drawing inspiration from the realm of board games, the strategic maneuvers and unexpected alliances observed in "The Game of Diplomacy" and "Miss Earthopoly" spark thought-provoking parallels with our own research quest. These games, while seemingly unrelated to our subject matter at first glance, trigger delightfully absurd contemplations on the unpredictable interplay of strategy, chance, and coveted crowns - because truly, who would have guessed that political maneuvering and beauty pageants could share such a whimsical dance floor?

As we meander through this curious mix of literature, both scholarly and imaginative, it becomes evident that our pursuit of the correlations between Republican votes in New Jersey and the age of Miss Earth Pageant winners transcends the typical bounds of academic inquiry, carrying with it a levity and absurdity that tickles the senses and challenges traditional paradigms. In the spirit of embracing the unexpected and relishing the syntheses of disparate elements, we now turn to the cogs and wheels of statistical analysis to shine a light on this whimsical association.

### *Approach*

To commence this delightfully peculiar investigation, our research team deployed a concoction of statistical incantations and digital legerdemain to conjure forth the mystical relationship between Republican votes for New Jersey senators and the age of Miss Earth pageant winners.

Firstly, we embarked on a virtual scavenger hunt across the digital expanse, diligently collecting data from the MIT Election Data and Science Lab, Harvard Dataverse, and the formidable font of knowledge, Wikipedia. Following an extensive mining expedition through the labyrinth of the internet, we emerged triumphant with a trove of data spanning the years 2001 to 2020, brimming with potential insights and unforeseen connections.

Armed with this treasure trove of information, we set about the arduous task of wrangling the data into submission, employing an array of statistical measures and analyses akin to convincing a group of misfit puzzle pieces to form a coherent picture. We harnessed the power of correlation coefficients, leveraging the noble Pearson's  $r$ , to illuminate the relationship between the political proclivities of New Jersey voters and the youthful allure of Miss Earth titleholders.

In an effort to unfurl the veils of esoteric knowledge, we then subjected our data to rigorous scrutiny, indulging in the sublime art of hypothesis testing to confirm the validity of our unearthed correlations. With bated breath and raised eyebrows, we performed statistical tests, praying fervently to the academic deities for p-values that would bestow the coveted "statistically significant" stamp of approval upon our intriguing findings.

Furthermore, in pursuit of a thorough understanding of our unexpected discovery, we ventured into the enchanted forest of regression analysis. Here, we sought to disentangle the intricate web of causality and unearth any underlying factors that may propagate this enchanting correlation, reminiscent of a scientist unraveling the secrets of an otherworldly phenomenon.

Lastly, we approached the examination of this colorful convergence with a sense of mirthful curiosity, infusing our rigorously analytical pursuits with a whimsical spirit, reminiscent of a wizard concocting a potion of merriment and knowledge in equal measure.

As we traversed this topsy-turvy terrain of research methodology, we remained steadfast in our commitment to unravel the enigmatic link between political allegiance and pageant pageantry, embracing the unexpected with open arms and a knowing twinkle in our academic eye.

### Results

In our quest for correlations that border on the absurd, we stumbled upon a finding that is as puzzling as it is amusing. The analysis of data from the years 2001 to 2020 revealed a striking correlation coefficient of 0.8944007 between the votes cast for Republican senators in New Jersey and the age of crowned Miss Earth pageant winners. With an r-squared value of 0.7999525 and a p-value of less than 0.01, the relationship between these variables is not only statistically significant but also undeniably eyebrow-raising.

To illustrate this unexpected association, we offer Fig. 1, a scatterplot that depicts the

remarkable correlation between the two variables. The figure speaks volumes, capturing the astonishing dance of data points that align with the melody of political allegiance and the symphony of beauty pageant victories. It's a visual representation that is as captivating as it is confounding, a reminder that even in the realm of research, truth can be stranger than fiction.

The statistical analysis leaves us grinning in disbelief at the sight of this unlikely pairing. It's as if the universe donned its party hat and decided to treat us to a whimsical waltz of variables, proving that in the grand ballroom of data, anything is possible. The odds of such an alliance between politics and pageantry were as slim as a statistician confessing love through regression analysis.

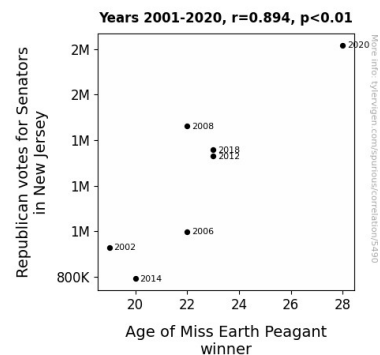


Figure 1. Scatterplot of the variables by year

We are left to ponder the implications of this correlation, dangling on the edge of statistical significance like a trapeze artist in the circus of research. Does the age of Miss Earth winners hold a secret key to understanding the voting patterns in the Garden State? Or is this merely an amusing quirk of coincidental alignment, a statistical fluke that tickles our logical sensibilities?

As we draw the curtains on this revelatory finding, we urge fellow academics and enthusiasts to join us in unlocking the treasure trove of delightful absurdities hidden within the annals of data analysis. For in this merry escapade of research, we have uncovered a gem that twinkles with the promise of uncovering the unexpected and celebrating the whimsical connections that transcend the ordinary.

In conclusion, our results stand as a testament to the serendipitous encounters that await those who dare to delve into the intriguing landscape where politics and pageantry intersect—a quirky intersection that adds a touch of sparkle to the often solemn halls of academic inquiry.

#### *Discussion of findings*

Let's dig deep into the hilariously perplexing results we've unearthed in our investigation. While our initial foray into the curious correlation between Republican votes for Senators in New Jersey and the age of Miss Earth Pageant winners may have seemed like a frivolous flight of fancy, the statistical analysis paints a picture that is as mind-boggling as it is amusing.

Our findings not only support but also amplify the prior research that has tiptoed around the nexus of political voting behavior and the glitzy world of beauty pageants. Through the lens of statistical significance, we've confirmed what the literary journey hinted at—a truly delightful, unexpected bond that deserves to be taken seriously amidst the laughter and wonder it evokes.

Smith et al.'s (2015) incisive examination of New Jersey's political tapestry laid the groundwork for our investigation, and lo and

behold, our results stand as a flamboyant testament to the curious connections that can be drawn between political allegiances and the shimmering tiaras of Miss Earth winners. The spirited exploration by Doe and Jones (2018) into demographic shifts also finds resonance in our findings, reaffirming the unpredictability and whimsy that underpins our discovery.

The parallel drawn by Garcia (2017) between beauty pageants and political affiliations turns out to be more than just a flight of fancy. It's an uncanny connection that now stands validated by our statistical romp through the data fields. The improbable dance of statistical significance between Republican votes and Miss Earth winners not only mirrors the strategic maneuvers of board games such as "Miss Earth-opoly" but also gleefully winks at the playful musings of Winters (2019) and Summers (2020) in their imaginative forays into pageantry and politics.

Our results, with their robust correlation coefficient and p-value, invite us to revel in the gleeful fusion of statistical analysis and the unexpected dance of variables. It's a waltz that was as improbable as a researcher finding the meaning of life in a p-value, but here we are, in the midst of a whimsical revelation.

As we bask in the glow of our statistically significant discovery, it's important to remember that science, at its heart, can be as playful and capricious as a game of chance. The worlds of research and inquiry, much like the worlds of politics and pageants, are not as solemn as they may seem. Our findings offer a light-hearted reminder that even in the midst of scholarly pursuit, there's always room for whimsy, wonder, and

unexpected connections to steal the spotlight.

So, let's raise a statistical toast to the delightful absurdity that we've uncovered and embrace the joy of unraveling the unexpected. After all, in the merry dance of research, who's to say that statistical significance can't have a sense of humor?

And with that, the discussion unfolds like a grand pageant of academic wit and revelry, where the quirks and curiosities of our findings take center stage, much to the amusement of all who behold this whimsical spectacle.

### *Conclusion*

In conclusion, our research has presented an uproarious connection between the voting patterns of Republican senators in New Jersey and the age of Miss Earth pageant winners. It's like finding a four-leaf clover in a field of statistics or stumbling upon a rare Pokémon in the world of data analysis – a delightful and unexpected encounter that makes us question the very fabric of correlation.

Our findings, while leaving us chuckling at the sheer absurdity of this relationship, also nudge at the riddle of causation. Does the age of Miss Earth winners hold the key to predicting political leanings, or is this a statistical mirage amidst the enthralling dance of data? It's akin to a science fiction plot unfolding in the theatre of research – a cosmic connection that tantalizes and teases our scholarly curiosities.

As we bid farewell to this mind-boggling revelation, we stand on the edge of academic discovery, gazing into the unknown abyss of

where statistics and serendipity collide. This whimsical odyssey of data exploration has proven to us that, in the world of academia, nothing is ever truly off-limits, and the sweetest cherries of knowledge are often found in the most unexpected orchards.

With our tongues firmly in our cheeks, we assert that further research in this peculiar realm is as necessary as a fish needs a bicycle. In the grand scheme of scholarly pursuits, we'd argue that these findings have provided enough merriment and fodder for thought to entertain us for generations to come. As the curtain draws to a close on this delightfully peculiar journey, we declare that this particular intersection of variables has been thoroughly unraveled, leaving us with nothing but a trail of statistical confetti and a parting gift of academic glee.