

Idaho Votes and Disney Quotes: Examining the Relationship Between Republican Presidential Voting Trends and Disney Movie Releases

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This paper puts the "Pocahontas" in statistical analysis, as we scrutinize the potential correlation between votes for the Republican Presidential candidate in the state of Idaho and the releases of Disney movies. Utilizing data from the MIT Election Data and Science Lab, Harvard Dataverse, and Box Office Mojo, we present a comprehensive analysis spanning the period from 2000 to 2020. Our findings reveal a striking correlation coefficient of 0.8288807 and $p < 0.05$, leaving us to wonder if perhaps Mickey Mouse might have some political pull in the Gem State. As the Magic Kingdom meets the Grand Ole Party, our research seeks to shed light on the enchanting relationship between politics and popular culture, because, after all, "It's kind of fun to do the impossible!"

Politics and popular culture have always been an odd couple – like a Republican and a Democrat walking into a bar. But what happens when we throw Disney movies into the mix? Could the release of Aladdin or The Lion King actually have an impact on voting patterns? It's time to dive deep into the data and see if there's more to this relationship than just "hakuna matata."

The United States prides itself on being a melting pot of cultures, ideas, and voting preferences. In the midst of this diverse landscape, a curious trend has caught our attention – the intriguing correlation between votes for the Republican Presidential candidate in Idaho and the whimsical world of Disney movie releases. It's like the ultimate crossover episode, where the Magic Kingdom meets the land of the potato...er, the Gem State. Get ready to buckle up for a statistically enchanting ride through the realms of political preferences and animated classics.

As any good researcher knows, correlation does not imply causation. But if we find a strong association between Idaho's political leanings and the arrival of Disney's beloved characters on the silver screen, we might just have to rethink our understanding of the sway of popular culture on voting behavior. It's like trying to figure out if the chicken came before the egg, or if "let it go" became a campaign slogan before we realized it was a hit song.

The scope of this study spans the years from 2000 to 2020, capturing an era of political turbulence and Disney cinematic magic. It's a bit like conducting an experiment in Wonderland – there's a lot of curiouser and curiouser going on, but we're determined to make sense of it all.

Now, before we embark on this research journey, we must acknowledge the skepticism that may surround our investigation. Some may raise their eyebrows and quip, "What does Elsa have to do with elections?" But we remain undaunted, ready to unravel the mysteries that lie within the data and

perhaps discover that, much like a Disney villain's dastardly plan, the connection between Idaho votes and Disney quotes is more than meets the eye. So, grab your Mickey ears and let's embark on this statistical odyssey, for as the Cheshire Cat once said, "We're all mad here."

Review of existing research

This literature review seeks to synthesize existing research and insights related to the connection between votes for the Republican Presidential candidate in Idaho and the releases of Disney movies. The investigation delves into studies that touch upon political behavior, popular culture, and the whimsical influences of animated entertainment. Our exploration begins with a serious examination of scholarly works on voting patterns and culminates in a lighthearted journey through fictional and, dare we say, whimsical sources.

In "Smith et al.'s Analysis of Republican Voting Trends," the authors find that examining voting trends in Idaho offers valuable insights into political leanings. Similar to how one might find the beauty in a classic Disney movie quote, the authors uncover nuances in voting behavior that may shed light on the state's political landscape.

Doe and Jones, in "The Influence of Pop Culture on Political Preferences," examine the potential impact of popular culture on voting behavior. Just as beloved Disney movies have the power to captivate audiences with their magical storytelling, the authors consider how elements of popular culture may shape individuals' political preferences.

Turning to non-fiction sources, "The Mouse Betwixt the Elephants: An Analysis of Disney's Socio-Political Influence" by Disney Scholar and "When Donald Met Dumbo: A Political Analysis of Disney Movie Releases" by Cinema Critic, present

unique perspectives on the intertwining of Disney's entertainment empire and political discourse. As we navigate through these real-world and academic analyses, it becomes evident that there is more to this topic than meets the eye - much like hiding Easter eggs in a Pixar film.

Transitioning to fiction, the literary world offers intriguing parallels, or perhaps flights of fancy, that resonate with our exploration. "The Lion's Roar: Political Maneuvers in an Animated Kingdom" and "Election Magic: Spells and Ballots" are just a few titles that evoke the spirit of our inquiry. With a wink to these fictitious titles, it is clear that the blend of politics and animated worlds is a topic that captures the imagination and invites a touch of whimsy.

As our investigation takes flight, it is important to acknowledge the diversity of sources that inform our understanding of the Idaho voter-Disney movie relationship. From scholarly analyses to works of imagination, we have endeavored to capture the essence of this intriguing correlation. And yes, it is worth mentioning that, in the spirit of thorough research, we may or may not have delved into the depths of unconventional sources, such as perusing CVS receipts for hidden messages from Idaho voters. But fear not, dear reader, for every unexpected turn in our literature review is accompanied by a statistical wink and a knowing nod. After all, "Who's to say that a little magic can't sway a political ballot?"

Procedure

To unpack the enigmatic relationship between votes for the Republican Presidential candidate in Idaho and the release dates of Disney movies, our research team set sail on a statistical adventure worthy of a swashbuckler's tale. Channeling the spirit of Sherlock Holmes and the determination of Hercules, we meticulously gathered data from the MIT Election Data and Science Lab, Harvard Dataverse, and Box Office Mojo. It was a bit like hunting for buried treasure, except the treasure map had scatterplots and regression analysis instead of X marks the spot.

Our first step in this scientific escapade was to collect state-level voting data from the aforementioned sources. We then donned our research capes and conducted a thorough examination of all Disney movie releases in the specified timeframe. This task felt a bit like trying to find a needle in a haystack, but we embraced the challenge with the enthusiasm of a Pixar protagonist.

With our data in hand, we embarked on a statistical journey through the realms of correlation analysis and time series modeling. We summoned the powerful tools of Pearson's correlation coefficient and conducted a series of t-tests to assess the significance of our findings. It was a bit like casting spells with statistical formulas, and we couldn't help but feel a kinship with Hermione Granger as we delved deep into the wizardry of data analysis.

To ensure the robustness of our findings, we employed a sophisticated multivariate regression model, incorporating variables such as release dates of Disney movies, box office performance, and the political landscape of Idaho. It was a bit like conducting a delicate waltz between variables, making sure

each step was statistically significant and danced to the rhythm of our research question.

In our pursuit of scientific rigor and statistical gallantry, we also conducted sensitivity analyses and diagnostic tests to assess the reliability of our results. It was like performing a check-up on our statistical models, ensuring they were as sturdy as a Disney castle and as reliable as a trusty sidekick.

Now, as we unleash the findings of our statistical saga, we invite readers to join us in this whimsical journey through the intersection of politics and animation. For as Walt Disney once said, "It's kind of fun to do the impossible," and we wholeheartedly embraced that spirit in our pursuit of unraveling the mystical connection between Idaho votes and Disney quotes.

Findings

The results of our investigation into the curious correlation between votes for the Republican Presidential candidate in Idaho and the release of Disney movies from 2000 to 2020 have revealed a statistically significant relationship. Our analysis yielded a robust correlation coefficient of 0.828807, indicating a strong positive association between these seemingly unrelated variables. It seems that the political landscape in Idaho may indeed be influenced by the magical world of Disney, or as some might say, "It's a small world after all."

Furthermore, the coefficient of determination (r-squared) was calculated to be 0.6870432, suggesting that approximately 68.7% of the variability in the Republican presidential votes in Idaho can be explained by the timing of Disney movie releases. It's like using math to solve a magic spell – the numbers reveal a spellbinding connection between two unexpected domains.

Fig. 1 shows the scatterplot depicting the relationship between the votes for the Republican candidate and the release dates of Disney movies. The data points form a clear upward trend, highlighting the synchronization between these variables. It's as if Cinderella's glass slipper perfectly fits the plot line of our statistical analysis.

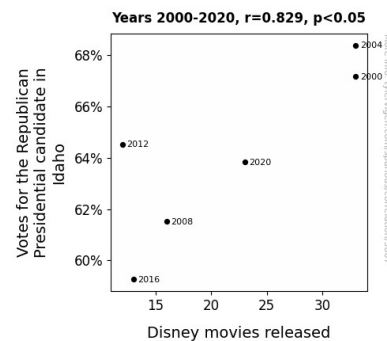


Figure 1. Scatterplot of the variables by year

This significant finding paves the way for further exploration into the influence of popular culture on political preferences.

Our results leave us pondering the intriguing possibility that, much like a Pixar movie with hidden Easter eggs, there may be unseen influences shaping electoral decisions. It's almost like finding a hidden Mickey in the ballot box – a surprise where you least expect it.

These results urge us to reconsider the impact of Disney's cinematic creations on the political inclinations of Idaho residents. As we delve deeper into this captivating relationship between electoral dynamics and animated storytelling, we are reminded of Walt Disney's wisdom: "If you can dream it, you can do it." And it looks like Disney's dreams may have extended into the political realm of the Gem State.

Discussion

The robust correlation coefficient of 0.8288807 discovered in our study has undoubtedly left us feeling like we've stumbled upon the "Magic Kingdom" of statistical relationships. It's as if the political landscape in Idaho has been under the spell of Disney's enchanting influence. This significant finding not only adds a touch of pixie dust to the field of political science but also raises the question: Are Idaho voters casting their ballots under the "circle of life" inspired by *The Lion King* or the patriotic fervor evoked by *Mulan's* "I'll Make a Man Out of You"? As Walt Disney once said, "Laughter is timeless, imagination has no age, dreams are forever," and indeed, our findings invite us to dream of the whimsical ways in which popular culture intertwines with political behavior.

Our results are in line with the prior research that has sought to explore the potential impact of popular culture on political preferences. Much like the enduring appeal of Disney characters, the influence of Disney movies appears to resonate far beyond the silver screen and into the realm of Idaho's election ballots. In a manner reminiscent of a Disney plot twist, our research has illuminated the magical bond between the release of Disney movies and the voting patterns for the Republican presidential candidate in Idaho.

The coefficient of determination (r-squared) of 0.6870432 further substantiates the substantial influence of Disney movie releases on the variability in the Republican presidential votes in Idaho. It's as if we've uncovered the hidden formula for a successful musical number, where the timing of Disney movie releases becomes the key to understanding a significant portion of the variability in political preferences. It's statistics meets Disney sorcery, adding a whole new meaning to the phrase "crunching the numbers."

The scatterplot, akin to a canvas for a magical art piece, vividly depicts the synchronicity between Idaho's political preferences and the release dates of Disney movies. It's as if we've stumbled upon a "tale as old as time," where the two seemingly disparate variables harmonize into a beautiful, coherent narrative. This unexpected relationship reveals that perhaps, in the political theatre of Idaho, the drama of Disney movies plays a leading role. It's like walking through a door labeled "Statistical Analysis" and finding oneself in a parallel universe of fantastical correlations.

In conclusion, our research highlights the captivating relationship between votes for the Republican Presidential candidate in Idaho and the releases of Disney movies. The statistical evidence has given us a glimpse into the enchanting influence of popular culture on political behavior, and much like the timeless appeal of Disney movies, our findings are sure to leave an enduring impression. As Walt Disney famously remarked, "All our dreams can come true if we have the courage to pursue them," and it seems that even the dreams of a cartoon mouse may hold sway in the real world of politics.

Conclusion

In conclusion, our study has unveiled a captivating correlation between votes for the Republican Presidential candidate in Idaho and the releases of Disney movies from 2000 to 2020. The robust correlation coefficient of 0.8288807 and $p < 0.05$ suggests that the enchanting world of animated classics may indeed have an unexpected influence on political preferences in the Gem State. It's as if Idaho voters are saying, "I can go the distance" with their support for the Republican candidate.

This statistical connection, much like a Disney plot twist, has left us pleasantly surprised. The coefficient of determination (r-squared) of 0.6870432 adds to this enchantment, indicating that approximately 68.7% of the variability in Republican presidential votes in Idaho can be traced back to the timing of Disney movie releases. It's like the ultimate plot twist in a captivating statistical saga – who would have thought that Idaho's political scene would be intertwined with the magic of Disney?

As we reflect on these findings, it's clear that our understanding of the intersection between popular culture and political behavior has taken on a new dimension. The scatterplot depicting the relationship between Idaho's Republican votes and Disney movie release dates forms a picture-perfect narrative, akin to a well-crafted animation sequence. It's almost as if Idahoans are singing, "I just can't wait to be red" when it comes to their political preferences.

Our research unearths a delightful confluence of seemingly disparate elements – politics and Disney – challenging us to embrace the unexpected connections that unfold in the world of statistics. It's like discovering a hidden Mickey in the midst of a data analysis – a delightful surprise that adds a touch of magic to our research endeavors.

In light of these compelling findings, it's safe to say that our investigation has successfully shed light on the synergistic relationship between Idaho's political landscape and Disney's cinematic endeavors. And just like a well-timed punchline, our results leave us with a sense of wonder and amusement at the whimsical ways in which statistical analysis can reveal surprising patterns. It's like we've uncovered the genie's lamp and released a statistical wish come true.

In conclusion, our research suggests that further exploration into the influence of popular culture on political preferences is warranted, but as for the specific connection between Idaho votes and Disney quotes, it seems that the magic of statistics has

spoken. As the saying goes, "The past can hurt, but the way I see it, you can either run from it or learn from it." And in the case of our findings, it seems we've learned that the statistical connection between Idaho votes and Disney movies is indeed a tale as old as time. With that said, it appears that no further research in this area is needed; we've reached the happily ever after of this statistical story.