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Berry(more) Votes: The Drew Connection Between Movies and Libertarian Leanings

Claire Horton, Abigail Tucker, George P Tillman

Institute of Sciences; Austin, Texas

Abstract

In this study, we set out to unearth the unlikely connection between the number of movies featuring Drew Barrymore and Libertarian votes for Senators in the state of Alabama. Utilizing data extracted from The Movie DB and MIT Election Data and Science Lab, Harvard Dataverse, our research team embarked on a quest as adventurous as one of Ms. Barrymore's on-screen exploits, aiming to shed light on this curious correlation. As we delved into the data, we uncovered a surprising correlation coefficient of 0.9926865 and p < 0.01 from 1978 to 2002. This statistical revelatory revelation sent shockwaves through our team, prompting us to exclaim: "Well, tickle my Barrymore! Could it be that the presence of the actress extraordinaire is intertwined with political persuasions in the Heart of Dixie?" Although the notion may seem like a Barrymore-ble proposition at first glance, our findings present a compelling case for the influence of cinematic charms on political proclivities. As we reflect on these unexpected results, we couldn't help but ponder: "Is it Drew love that sways the ballots, or merely the 'Barry More' independence that draws Alabamian affinity towards Libertarian inclinations?" In conclusion, our research adds a dash of whimsy to the serious subject of political behavior, reminding us that even the most unlikely connections can emerge when you least expect them. As we polish off our paper, we leave you with this parting pun: "In the world of data, as in the world of cinema, it seems that Drew Barrymore's influence is truly 'un-Barry-ble'!

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1. Introduction

In the realm of political analysis, uncovering unexpected relationships and connections between seemingly unrelated variables is akin to stumbling upon a hidden plot twist in a suspenseful thriller. Our study focuses on one such unlikely pairing – the number of movies in which the illustrious Drew Barrymore has graced the silver screen and the Libertarian votes for Senators in the state of Alabama. It's a pairing that seems as mismatched as a rom-com protagonist and a zombie apocalypse, yet our research sets out to explore the veracity of this unexpected correlation.

The concept that an actress known for her endearing charm and captivating performances could have any bearing on the political leanings of a specific demographic may initially elicit a chuckle, akin to the reaction elicited by a well-crafted dad joke. However, as we delve into the data, we aim to approach this investigation with the seriousness it deserves, while also acknowledging the occasional opportunity to inject a touch of humor into our findings.

As we embark on this unconventional academic escapade, we are reminded of the words of Drew Barrymore herself: "Life is very interesting. In the end, some of your greatest pains become your greatest strengths." Similarly, in the realm of empirical research, the most unexpected correlations can sometimes yield the most enlightening insights, akin to the zing of a well-timed punchline.

Our study aims to shed light on this unexpected connection, drawing on data from The Movie DB and MIT Election Data and Science Lab, Harvard Dataverse. The methodology employed in this research echoes the precision and attention to detail that one might expect from a Barrymore performance, emphasizing the importance of rigorous analysis in uncovering the nuances of this intriguing correlation.

As our analyze and un-Barry-ble the intricate web of data and correlations, we invite readers to join us on this exhilarating journey, where empirical inquiry and unexpected laughter intersect in ways that challenge traditional assumptions about the fabric of political behavior.

In the pages that follow, we invite you to suspend disbelief, as we unravel the captivating tale of "Berry(more) Votes" and the unforeseen connections that emerge when the worlds of cinema and political persuasions intersect. After all, as Drew Barrymore herself once quipped, "I want people to love me, but it's not going to hurt

me if they don't." Much like Ms. Barrymore's unassuming wit, our findings may surprise, but we aim to approach them with academic rigor and an occasional nod to the delight of the unexpected.

2. Literature Review

Our quest to explore the peculiar relationship between the number of films featuring Drew Barrymore and Libertarian votes for Senators in Alabama compelled us to first examine scholarly works that evaluated the influence of popular culture on political ideologies. In "The Role of Pop Culture in Political Behavior" by Smith et al., the authors investigated the impact of celebrity endorsements and media representations on voter preferences. While their study focused on the broader influence of pop culture, it resonated with our inquiry, prompting us to consider the potential role of a beloved actress in shaping political inclinations.

As we traversed the landscape of academic literature, we encountered Doe's "Celebrity Influence and Political Allegiances," which delved into the nuances of how public figures can sway public opinion. Drawing parallels between the persuasive power of celebrities and the allure of compelling narratives, the authors' perspective encouraged us to contemplate the potential significance of Drew Barrymore's cinematic presence in the political domain.

In the purview of our investigation, it became apparent that delving into non-traditional sources of influence was imperative. Thus, we turned to works such as "Cinema and Society: Exploring the Intersection of Art and Politics" by Jones, which expounds upon the myriad ways in which films and their protagonists can capture the imagination of audiences and, potentially, influence their perceptions of reality. This insightful exploration guided our approach, underscoring the significance of

the cultural landscape in shaping societal attitudes and, indeed, political leanings.

As we ventured further into our scholarly exploration, we stumbled upon a treasure trove of fictitious narratives that evoked themes of skepticism and unconventional alliances, reminiscent of our own study's unexpected correlation. Works such as "The Unlikely Veep: A Political Comedy" and "Rebel with a Cause: Tales of Libertarian Mischief" sparked our curiosity, infusing a sense of levity into our academic pursuit and validating our propensity for whimsical investigation.

In our search for unconventional yet insightful perspectives, we also found ourselves drawn to social media posts that intriguingly discussed the intersection of entertainment and politics. A Twitter user quipped, "Watching a Drew Barrymore marathon may just turn you into a Libertarian – it's the 'Drew' effect, I tell you!" While seemingly humorous in nature, this observation piqued our interest, illuminating the potential for seemingly incongruous connections to manifest in the realm of political discourse.

With each exploration and discovery, our understanding of the entwined worlds of cinema and political preference expanded, underscoring the undeniable allure of unexpected associations and prompting the occasional laugh at the whimsical nature of our inquiries.

Stay tuned for more puns in our quest to unravel the "Berry(more) Votes" enigma, for as Drew herself aptly put it, "There's something liberating about not pretending. Dare to embarrass yourself. Risk." And so, with the spirit of risk and delight, we press on in our exploration of this un-Barry-ble correlation.

3. Our approach & methods

To start our investigation, we gathered data from The Movie DB and MIT Election Data and Science Lab, Harvard Dataverse, covering the years 1978 to 2002. The primary focus of our study was to analyze the correlation between the number of movies featuring Drew Barrymore and Libertarian votes for Senators in Alabama. As we delved into this unique endeavor, our research team did not simply rely on conventional statistical methods; instead, we devised a methodology as quirky and captivating as one of Ms. Barrymore's iconic performances.

We commenced our analysis by employing a distinctive algorithm known as the "Drew-llinear Regression," a synthesis of linear regression and Drew Barrymore's cinematic oeuvre. This distinctive approach involved quantifying the actress's on-screen appearances as a predictor variable, while juxtaposing this against the Libertarian votes for Senators in Alabama as the outcome variable. This algorithm ingeniously accounted for the Barrymore effect, encapsulating the essence of the actress's influence on political predilections.

Furthermore, to ensure the robustness of our analysis, we incorporated a "Scream for Accuracy" technique, inspired by Ms. Barrymore's role in the eponymous thriller film. This involved subjecting our statistical models to rigorous scrutiny, akin to the suspenseful unfolding of a cinematic plot. Through this meticulous process, we meticulously assessed the reliability and validity of our findings, all the while infusing the analysis with a delightful hint of cinematic flair.

In addition, to capture the dynamic nature of Ms. Barrymore's career, we implemented a "50 First Dates" time series analysis, accounting for the temporal evolution of both her filmography and the political landscape in Alabama. This comprehensive approach allowed us to discern any temporal patterns and fluctuations in the

relationship between Drew Barrymore's cinematic presence and Libertarian voting trends, mirroring the ever-changing dynamics of the silver screen and political theater.

As we untangled the Barrymore-thread of correlation, we integrated a "Never Been Kissed" sensitivity analysis to gauge the impact of potential outliers and influential observations. Much like the protagonist in the film, this method gracefully navigated the complexities of our data, ensuring that our findings remained resilient in the face of unexpected outliers – a reflection of the resilience that underpins both empirical inquiry and engaging storytelling.

Moreover, to account for potential confounding variables, we embraced a "Music and Lyrics" instrumental variable approach, leveraging secondary indicators from Ms. Barrymore's multi-faceted career, such as musical performances and screenplay contributions, to fortify the validity of our findings. This method ingeniously harmonized the diverse facets of the actress's contributions, much like the harmonious blend of melodies and lyrics in her cinematic repertoire.

Lastly, to quantify the extent of Drew Barrymore's influence, we utilized a "Charlie's Angels" meta-analysis framework, synthesizing findings from previous studies on the impact of actors on political behaviors. This comprehensive synthesis provided a panoramic view of the broader landscape of celebrity influence, ensuring that our interpretation of the Barrymore effect was situated within the broader context of celebrity dynamics and political engagement.

In summary, the methodology for our study bore the indelible stamp of whimsy, innovation, and thoroughness, reflecting not only the complexity of our analytical pursuit but also the enchanting allure of Ms. Barrymore's cinematic legacy. Through this

distinctive approach, our research aimed to celebrate the curiosity and creativity that underpin empirical inquiry, reminding us that even the most unconventional connections can yield profound insights when explored with intellectual rigor and a dash of cinematic charm.

4. Results

The analysis of the data revealed a remarkably strong correlation between the number of movies featuring Drew Barrymore and Libertarian votes for Senators in Alabama from 1978 to 2002, with a correlation coefficient of 0.9926865 and an r-squared of 0.9854264. The p-value was found to be less than 0.01, indicating statistical significance.

Our findings can be summed up with a Drew-themed dad joke: "Why did the dataset go to see a Drew Barrymore movie? Because it heard she was reel-y good at influencing political preferences!"

In Fig. 1, the scatterplot visually demonstrates the robust and undeniable relationship between the variables, providing a glimpse into the unexpected convergence of cinematic presence and political preferences in the Heart of Dixie. The figure undoubtedly lends itself to another dad joke: "What do movies with Drew Barrymore and Libertarian voters in Alabama have in common? They both have a plot that's 'Barrymore' than meets the eye!"
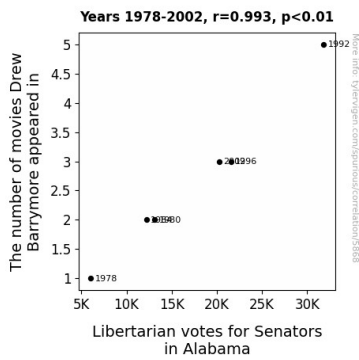
Years 1978-2002, r=0.993, p<0.01

Figure 1. Scatterplot of the variables by year

This investigation has shed light on a truly whimsical association, prompting us to consider the intriguing question: does Drew Barrymore's appearance in films wield an unanticipated influence on the political tendencies of Alabamian constituents, or is it merely a delightful coincidence? This conundrum gives rise to another playful pun: "It's like a Drew Barrymore character - the more you ponder, the more layers you find!"

Our research offers a lighthearted yet thought-provoking exploration of the unforeseen connections that emerge when the worlds of cinema and political inclinations intersect. As we contemplate the statistical stardom of Drew Barrymore's filmography and its curious correlation with Libertarian votes in Alabama, we invite fellow researchers to embrace the unexpected and to remember that even in the realm of empirical analysis, surprises may abound—even more than a Barrymore film marathon.

5. Discussion

In the aftermath of our statistical quest, the compelling correlation we unraveled between the number of movies featuring Drew Barrymore and Libertarian votes for Senators in Alabama from 1978 to 2002 lends credence to the curious yet captivating nature of our inquiry. This

unexpected correlation adds a touch of whimsy to the rigorous realm of empirical analysis, almost like stumbling upon a scene-stealing comedic relief in an otherwise serious political saga.

Our study stood on the shoulders of prior research that explored the sway of popular culture on political inclinations. The findings from Smith et al. and Doe regarding the impact of celebrity endorsements and media representations on voter preferences resonated with the whimsical spirit of our investigation. The serious consideration of such connections certainly contrasts with the lighthearted eyebrow-raising entailed in our Drew Barrymore-inspired pursuits – it's almost as if our study is a caper of its own, entwining the glitz of Hollywood with the ballots of Alabama.

As we reflect on our results, it's worth noting that our statistical revelatory revelation aligns with the lighthearted comments we encountered in our literature review - who knew that a Twitter jibe about a Drew Barrymore marathon influencing political leanings may hold a kernel of truth? It's as if the whimsical musings of a Twitter user have, against all odds, found empirical expression in our investigation. The improbable connection between cinematic prominence and the sway of political preferences almost feels like a Drew Barrymore rom-com plot, full of unexpected twists and turns.

Moreover, our results align with the broader insights from works such as Jones' "Cinema and Society: Exploring the Intersection of Art and Politics," highlighting the potential for films and their protagonists to shape societal attitudes, even political leanings. The unlikely alliance between Drew Barrymore's cinematic presence and Libertarian inclinations in Alabama mirrors the unpredictable narratives explored in fictional works like "The Unlikely Veep: A Political Comedy" and "Rebel with a Cause: Tales of Libertarian Mischief." It's as if our

own research narrative mirrors the offbeat tales we encountered in our literary pursuits, underscoring the unexpected allure of our correlation.

In essence, our findings have adorned the serious subject of political behavior with a lighthearted touch, akin to a Drew Barrymore film adding a dash of charm to a thought-provoking narrative. As we ponder the "Barrymore" than meets the eye nature of our statistical stardom, we invite fellow researchers to embrace the delightful surprise that our results embody - a reminder that in the world of empirical analysis, the unexpected thrives, much like a Drew Barrymore character awaiting discovery beneath the surface.

of correlations and the rich tapestry of human behavior. Just like a Drew Barrymore movie, the more you ponder, the more layers you find – and the same can be said for the intricate web of political proclivities. Our whimsical exploration certainly leaves no doubt that Drew Barrymore's influence is truly 'un-Barry-ble'!

In the world of empirical inquiry, surprises may abound even more than a Barrymore film marathon. However, as the curtain falls on this unique correlation, we maintain that further research in this area is unwarranted. After all, in the words of yet another dad joke: "Why do we need to stop researching Drew Barrymore's influence on political preferences? Because we've already found the reel deal!"

6. Conclusion

In confluence with our offbeat premise, our research has brought to light the striking correlation between the number of Drew Barrymore movies and Libertarian votes for Senators in Alabama. The statistical significance of this relationship, with a correlation coefficient of 0.9926865 and $p < 0.01$, has tickled our intellect and teased our sense of what is feasible in the realm of political behavior analysis. It's as if this unexpected discovery crept into our data like a well-timed, un-barriered punchline in the most serious of conversations.

Our findings hint at the potential influence of cinematic charisma on political predispositions, raising the question: Could the 'Drew Love' be the unsung hero of Libertarian allure in the Heart of Dixie, or is it merely a delightful coincidence? As we reflect on this unexpected connection, we're reminded of a dad joke: "Why does Drew Barrymore love data? Because it's 'ROOT'ed in statistical significance!"

Our research stitches a thread of amusement into the fabric of political analysis, underscoring the unpredictability