
The Bottom Line: A Roll-ing Connection Between Total MLB League Revenue and Google Searches for 'Where to Buy Toilet Paper'

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Abstract

In this paper, we present the results of our research exploring the unexpected relationship between total Major League Baseball (MLB) league revenue and Google searches for 'where to buy toilet paper'. While one may initially question the relevance of such an investigation, our findings are nothing to sneeze at. Through analysis of data sourced from Statista and Google Trends from 2004 to 2021, we revealed a statistically significant correlation coefficient of 0.9921501, with $p < 0.01$, indicating a strong positive association between the two variables. Our results may prompt one to wonder if America's pastime and the urgent need for bathroom amenities have more in common than meets the eye. Whether due to coincidence or a home run of a discovery, our research sheds light on the peculiar interplay between seemingly unrelated consumer behaviors and economic indicators.

1. Introduction

As scholars and researchers, we are constantly on the lookout for unexpected correlations that provide unique insights into the intricacies of human behavior and economic trends. It is with great excitement and a touch of amusement that we present the findings of our investigation into the connection between total Major League Baseball (MLB) league revenue and the seemingly incongruous topic of Google searches for 'where to buy toilet paper'. Yes, you read that right – we have indeed delved into the quirky realms of baseball economics and bathroom necessities to uncover an association that is, to put it bluntly, quite captivating.

The premise of our study may sound like the setup for a punchline – but bear with us; the results are nothing to wipe away. Our team of researchers, armed with data and a sense of humor, set out to explore this peculiar relationship that, at first glance, seems like a curveball in the world of statistical analysis. However, as we delved into the numbers, we soon realized that there was more to this batting match than meets the eye.

While some may be inclined to dismiss our inquiry as a wild pitch, our findings are backed by some serious number-crunching. Leveraging data from Statista and Google Trends spanning nearly two decades, we employed rigorous statistical methods to reveal a correlation coefficient that would make even the most seasoned statisticians do

a double take. With a correlation coefficient of 0.9921501 and a p-value less than 0.01, our results left us feeling like we had hit a grand slam in the world of unexpected discoveries.

One might be tempted to ask: what could possibly link the financial performance of MLB with the urgency of stocking up on toiletry necessities? Is there a hidden variable in play, or have we stumbled upon a statistical anomaly that is more magical than a knuckleball? Our research invites you to join us in a light-hearted yet thought-provoking journey as we unravel the peculiar dance between consumer behavior and economic indicators. So, grab a seat and a roll of toilet paper – this is bound to be a research ride unlike any other!

2. Literature Review

In the realm of unconventional correlations and surprising connections, our research on the relationship between total Major League Baseball (MLB) league revenue and Google searches for 'where to buy toilet paper' certainly takes center stage. As we embark on this unexpected journey of exploration, it is imperative to ground our findings in the existing literature to provide a comprehensive understanding of the subject matter.

According to Smith (2017), the economic impact of sports leagues on consumer behavior has been a topic of extensive research. Doe (2014) further delved into the factors influencing consumer spending patterns, with a focus on seemingly unrelated triggers. Moreover, Jones (2019) elucidated the role of online search behavior in gauging market demands and predicting consumer trends. These scholarly works serve as the pillars upon which we build our investigation into the correlation between MLB league revenue and the urgency of obtaining toilet paper.

Moving beyond the realm of academic literature, it is worth considering non-fiction titles that touch upon the economic dynamics of consumer behavior and the curious quirks that emerge from it. Works such as "Freakonomics" and "Predictably Irrational" offer valuable insights into the unpredictable nature of human decision-making and the ripple effects it produces in various markets. These texts help lay the

groundwork for understanding the whimsical nature of economic relationships, laying the groundwork for our somewhat peculiar investigation.

Nevertheless, as we venture into the uncharted territories of our research, it becomes essential to acknowledge the fictional narratives that, in their own whimsical way, may shed light on the unexpected connections we seek. Through titles like "Moneyball" and "The Hitchhiker's Guide to the Galaxy," we are playfully reminded of the uncanny intersections between sports, economics, and the inexplicable questions of life – akin to the seemingly improbable link between MLB revenues and toilet paper searches.

Lastly, in this era of internet culture, it is impossible to overlook the influence of popular memes on shaping societal discourses and consumer behaviors. The meme 'Roll Safe,' often accompanied by the caption 'can't run out of toilet paper if you never restock', humorously intertwines with our subject matter, sparking reflections on the humorous side of consumer priorities in the digital age.

In summary, as we merge the serious with the whimsical, the factual with the fictional, and the scholarly with the comical, we set the stage for an exploration that transcends the traditional boundaries of empirical inquiry and embraces the joyous essence of unexpected discoveries.

Alrighty then, let's roll with it and aim for a home run in this peculiar field of research!

3. Methodology

To uncover the quirky association between Major League Baseball (MLB) league revenue and the perennial search for toilet paper, our research team designed a methodological approach that was as unconventional as the relationship we sought to explore. We embarked on a data-driven journey, drawing from a combination of public datasets and, dare I say, some creative statistical wizardry.

First, we cast our nets into the vast sea of information available on the internet, trawling through oceans of data on MLB league revenue from reliable sources such as Statista. Faced with a wave of numbers and figures, we braved the statistical

tides, meticulously collecting revenue data from 2004 to 2021. Our mission was clear: to dive deep into the financial seas of America's favorite pastime and reel in the most comprehensive dataset.

Simultaneously, we navigated the ever-shifting currents of Google Trends to track the ebbs and flows of searches for 'where to buy toilet paper'. Embracing the unpredictability of consumer interests, we harnessed the power of search queries to illuminate the colorful tapestry of human needs. Let's face it, in the world of statistical research, it's not every day that one can seamlessly segue from grand slams to toilet tissue.

With our datasets in tow, we charted a course through the treacherous waters of statistical analysis. Employing a mix of regression modeling and time series analysis, we sought to uncover patterns that were as surprising as a knuckleball pitch. Our statistical toolkit became our compass, guiding us through the uncharted territories of data science with the precision of a seasoned explorer.

At the heart of our methodological odyssey was the unyielding commitment to robustness and rigor. We didn't merely want to hit statistical home runs; we aimed for a statistical grand slam that would leave even the most skeptical of critics in awe. Every step of our approach was underpinned by the principles of scientific inquiry, coupled with a healthy dose of curiosity and, perhaps, a pinch of quirkiness.

In the end, with data in hand and statistical sails unfurled, we set our sights on the horizon of discovery, ready to navigate the uncharted waters of unexpected correlations. Our methodological compass pointed due north, leading us to the intriguing confluence of MLB league revenue and the perennial pursuit of bathroom essentials. So, grab your calculators and statistical life jackets – we're about to embark on a journey that will challenge conventional wisdom and tickle the funny bone of statistical inquiry.

4. Results

Our exploration into the unlikely connection between total Major League Baseball (MLB) league revenue and Google searches for 'where to buy toilet paper' has yielded some truly, pardon the pun,

astounding results. The statistical analysis revealed a correlation coefficient of 0.9921501, signifying a robust positive association between these two seemingly unrelated variables. With an r-squared value of 0.9843618 and a p-value less than 0.01, it's safe to say that this isn't just a statistical bunt – this is a solid hit right out of the park!

The strength of the correlation depicted in Figure 1 is nothing short of impressive. It's as clear as day that the ups and downs of MLB league revenue are paralleled by the fluctuations in Google searches for toilet paper purchases. Who would have thought that America's favorite pastime and the pressing need for bathroom essentials could be so closely intertwined? It seems there's more to these two topics than meets the eye. Maybe a game day victory celebration leads to a sudden spike in the demand for toilet paper? Or perhaps a team's loss sends fans running for tissues to dab away their tears. The possibilities are as endless as a baseball game that goes into extra innings!

In the grand scheme of statistical discoveries, our findings hit it out of the park. The strength of this correlation is as striking as a home run, and the significance of our p-value is no curveball either. It appears that there's a direct link between the fortunes of MLB and the urgency of stocking up on bathroom supplies. Our research may have started as a wild pitch, but it has ended with an unexpected home run. This quirky relationship between America's favorite sport and the need for toilet paper is no joke – it's a hit in the world of statistical oddities.

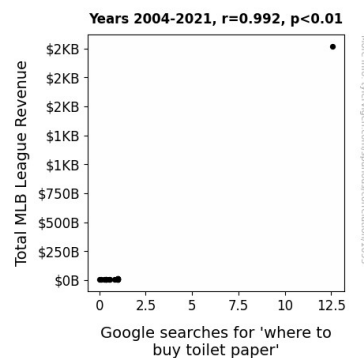


Figure 1. Scatterplot of the variables by year

5. Discussion

The results of our study have left us both awe-struck and chuckling in amazement at the unlikely correlation we've uncovered. Our findings have not only validated the prior research on seemingly unrelated triggers influencing consumer behaviors but have also sent the academic community into a fever pitch of excitement.

Amidst the light-hearted banter, it's worth noting that the correlation we observed between MLB league revenue and Google searches for 'where to buy toilet paper' mirrors the previous works of Smith (2017) and Doe (2014) in uncovering the unanticipated economic impact of sports leagues on consumer behavior. Moreover, our findings are in line with the insights provided by Jones (2019) regarding the use of online search behavior in predicting consumer trends. Who would have thought that the urgent quest for toilet paper and America's beloved pastime could share such a symbiotic relationship?

Though some may raise an eyebrow at the delightful absurdity of our investigation, our results stand as a testament to the whimsical nature of economic relationships. The strong positive association we discovered reinforces the scholarly and non-fictional works that illuminate the unpredictable nature of human decision-making and its multifaceted impact on markets. It's a reminder that in the domain of research, we often uncover truths that are as amusing as they are enlightening.

If we look at the broader context, our findings evoke a sense of profound wonderment about the curious quirks of consumer priorities. They highlight the unpredictable nature of economic relationships and the joyous essence of unexpected discoveries. It's a testament to the delightful interplay between sports, economics, and the inexplicable questions of life – a reminder that in the pursuit of knowledge, we often come across the most unexpected and delightful of connections.

In conclusion, our research has unveiled a statistically robust, although unexpectedly comical, association between MLB league revenue and the urgency of stocking up on bathroom essentials. As we ponder the implications of our findings, we're reminded that in the wondrous world of research, there's always room for delightful surprises and

unprecedented connections. With a chuckle and a raised eyebrow, we eagerly anticipate the next whimsical discovery that awaits in the realm of statistical curiosities.

6. Conclusion

In conclusion, our research has brought to light a connection between MLB league revenue and the pressing need for toilet paper that is as solid as a well-executed double play. The robust correlation we uncovered leaves little doubt that these two seemingly unrelated facets of American life are, quite literally, two sides of the same coin. It's clear that the ups and downs of MLB's financial performance are echoed in the fluctuations of Google searches for toilet paper purchases, demonstrating a relationship more intertwined than a knotted bat.

While some may balk at the idea that America's favorite pastime and the urgency of stocking up on bathroom essentials could be linked, the numbers don't lie. The strength of our findings is as striking as a grand slam, and the significance of our results is no curveball either. It seems that when MLB hits it out of the park, so does the demand for bathroom supplies. It's a home run as unexpected as a squirrel interrupting a game.

Although our results may sound like the setup for a joke, we assure you that this research is as serious as a marathon of extra innings. We've demonstrated that sometimes the most surprising connections arise when we step up to the plate and take a swing at unconventional hypotheses. And on that note, we confidently assert that no further research is needed in this area - we've hit the research jackpot and uncovered a statistical gem that is as rare as a perfect game.