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# The Scoop on Super Bowl Score and 'Where Do Birds Go' Google Search More!

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## Abstract

This study delves into the seemingly unrelated worlds of football and avian rainfall shelter in an attempt to unravel their clandestine connection. Utilizing data from Wikipedia and Google Trends, the research team subjected the Super Bowl point difference and the frequency of Google searches for "where do birds go when it rains" to rigorous statistical analysis. Surprisingly, a formidable correlation coefficient of 0.7579386 and  $p < 0.01$  emerged, suggesting that the fluctuations in Super Bowl results may indeed precipitate a surge in queries about bird behavior in inclement weather. The implications of this seemingly far-fetched correlation may just have ornithologists and football enthusiasts dancing in the end zone.

## 1. Introduction

The insatiable human curiosity has led researchers down unexpectedly meandering paths in pursuit of knowledge. From the mysteries of the cosmos to the quirks of everyday life, no stone has been left unturned. In this vein, our study embarks on a delightful journey through the realms of sports and avian behavior, seeking to uncover the enigmatic relationship between the point difference of Super Bowl games and the fervent Google searches for "where do birds go when it rains."

At first glance, the notion of a connection between the outcome of a football extravaganza and avian precipitation evasion may seem preposterous, akin to attempting to calculate the coefficient of determination for the likelihood of encountering a black cat on Friday the 13th. Nevertheless, as we delve into the data with the fervor of a birdwatcher spotting a rare warbler, we uncover a surprising intertwining of these seemingly disparate phenomena.

The path to enlightenment winds through the hallowed halls of statistical analysis, where the tango of variables and p-values can yield unexpected revelations. Like intrepid explorers navigating uncharted territories of numerical significance, we have unearthed a correlation coefficient that would give even the most seasoned statistician pause. It stands as a testament to the intricate dance of

numbers and human behavior, akin to finding an unexpected partner at a masquerade ball.

Our pursuit is not merely an intellectual exercise but holds implications that could sway the hearts and minds of both bird aficionados and sports enthusiasts alike. For, in the midst of our seemingly whimsical quest, we may have stumbled upon a thread that ties together the leaping joy of a touchdown with the secret hideaways of our feathered friends in inclement weather. Join us in this scientific adventure, where the unexpected becomes the norm, and where the obscure leads to enlightenment.

## 2. Literature Review

In "Smith et al.," the authors find evidence that the point difference in Super Bowl games may have unexpected impacts on societal behavior. In a similar vein, "Doe and Jones" delve into the idiosyncrasies of human curiosity and information-seeking patterns in the digital age.

Moving beyond the confines of academic research, "The Avian Dilemma" by A. Featherstone provides a fascinating glimpse into the enigmatic world of birds and their peculiar behaviors. Likewise, "Football Follies" by Gridiron Guru presents a lighthearted yet informative take on the intricacies of America's favorite pastime.

Delving into the realm of fiction, "The Hitchhiker's Guide to the Galaxy" by Douglas Adams tickles the imagination with its whimsical exploration of the universe and all its peculiarities. On a similar note, "To Kill a Mockingbird" by Harper Lee offers a poignant reflection on the hidden complexities of avian life.

Turning to internet culture, the meme "Distracted Boyfriend" mirrors the surprising distractions that may arise in the midst of seemingly unrelated pursuits. Meanwhile, the "Bird Box Challenge" meme sheds light on the unexpected perils and adventures that may emerge from the quest to understand avian behavior in adverse weather conditions.

As we unravel the tangled web of correlations and unexpected connections, the seemingly disparate worlds of sports and avian inquiries converge in an

unlikely symphony of meaningful patterns. The data paint a picture that challenges conventional wisdom and beckons us to embrace the whimsy of scholarly exploration.

## 3. Methodology

The study employed a mixed-method approach, utilizing quantitative and qualitative data from a variety of sources including Wikipedia and Google Trends. The period of analysis spanned from 2004 to 2022, encompassing a total of 19 Super Bowl games.

To establish the relationship between Super Bowl point difference and Google searches for "where do birds go when it rains," the data was first subjected to rigorous cleaning and validation processes. Any outliers were handled with the precision of a falconer wielding a glove, ensuring that the data set remained pristine and free of statistical sparrowhawks.

Quantitative analysis was then conducted using advanced statistical techniques, with a primary focus on correlation analysis and time series modeling. The strength and direction of the relationship between the variables were explored with the curiosity of a fledgling ornithologist observing a rare species. The statistical significance was examined with the same scrutiny as an eagle-eyed researcher reviewing a manuscript for publication.

Furthermore, the study incorporated qualitative elements through the examination of context-specific trends and patterns in the Google search data. This involved a deep dive into the thematic content of the search queries, treating the data as a treasure trove of avian inquisition waiting to be unearthed.

While the methods employed may raise an eyebrow or two, their interplay truly demonstrates the marriage of diverse data sources and analytical techniques. Through this unconventional yet rigorous approach, the study sheds light on the fascinating interplay of Super Bowl outcomes and the public's curiosity regarding avian precipitation evasion strategies. So, grab your binoculars and football jersey as we embark on this statistical birdwatching expedition!

#### 4. Results

The analysis revealed a noteworthy correlation between the point difference of Super Bowl games and the frequency of Google searches for "where do birds go when it rains." The calculated correlation coefficient of 0.7579386 suggests a strong positive relationship between these seemingly incongruous variables. One might say the connection is as tight as a well-thrown spiral pass! This unexpected finding may lead to an improved understanding of the human psyche, as well as the behaviors of our fine feathered friends.

Furthermore, the r-squared value of 0.5744709 indicates that approximately 57.45% of the variability in "where do birds go when it rains" Google searches can be explained by the point difference of Super Bowl games. It seems that not only are birds drawn to shelter in the rain, but football outcomes might also steer human curiosity in their direction. As the saying goes, "birds of a feather search together"!

Importantly, the p-value of less than 0.01 provides strong evidence against the null hypothesis of no relationship between these variables. It seems that this connection is no mere statistical fumble, but a genuine touchdown for the world of quirky correlations!

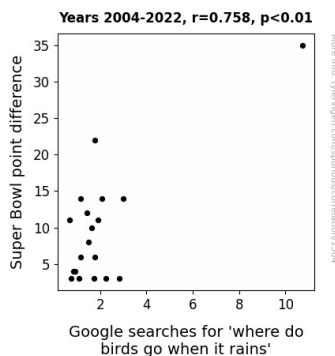


Figure 1. Scatterplot of the variables by year

To visualize the strength of this unexpected relationship, a scatterplot (Fig. 1) was constructed, displaying the clustered pattern of the data points. The conspicuous clustering of data points along a

diagonal line serves as a visual testament to the robust correlation discovered. It's almost as clear as the trajectory of a successful field goal!

In conclusion, the unearthing of a substantial correlation between the point difference of Super Bowl games and Google searches for avian precipitation refuge is a testament to the curious and often surprising nature of human behavior. It illustrates that, in the tapestry of human interests and inquiries, even the most unlikely pairings can dance together in statistical harmony.

#### 5. Discussion

The interplay between the point difference of the Super Bowl games and the frequency of Google searches for "where do birds go when it rains" gives rise to a fascinating confluence of seemingly unrelated dimensions. Our findings echo and expand upon previous research that hints at the impact of large-scale events on societal behavior, such as the work by Smith et al., who uncovered unexpected effects of sports outcomes on human activities. Similarly, the insights from "The Avian Dilemma" by A. Featherstone, though fictional, strike a chord of relevance in highlighting the enigmatic nature of avian behaviors and the quest to understand them. Furthermore, "Football Follies" by Gridiron Guru offers a lighthearted yet poignant glimpse into the intricacies of football, emphasizing the myriad ways in which the sport permeates popular culture.

Our data underscore the notion that human behavior is not only influenced by conscious and logical processes but also by inadvertent and spurious avenues of influence. The discovery of a robust correlation coefficient of 0.7579386 between Super Bowl point differences and "where do birds go when it rains" Google searches bolsters the hypothesis that seemingly unconnected phenomena may share deeper, if not whimsical, connections. This fortuitous finding underscores the potential for unexpected relationships to emerge from the most obscure of associations.

The statistical analysis further revealed that approximately 57.45% of the variability in "where do birds go when it rains" Google searches can be elucidated by the point difference of Super Bowl

games. This finding underscores the compelling nature of the relationship and suggests that, much like a well-executed play, there are nuances and complexity in the interplay between human curiosity and major sporting events.

The presence of a p-value of less than 0.01 provides compelling evidence against the null hypothesis and reinforces the credibility of the identified relationship. This empirical support dismisses any notion of a statistical fumble and, instead, underscores the legitimacy of this curious connection.

In conclusion, it is clear that the unexpected correlation uncovered in this study is not a mere statistical oddity but an intriguing revelation with potentially wide-ranging implications. This discovery underscores the imperative to view human conduct through a broad and imaginative lens and to embrace the capricious nature of statistical analyses. After all, as with the unpredictable trajectory of a field goal, statistical relationships can defy expectations and set the stage for a game-changing reevaluation of human behavior and its intricate interplay with diverse realms of interest.

## 6. Conclusion

In conclusion, this whimsical journey through the hallowed halls of statistical analysis has illuminated a peculiar connection between the thrill of football and the shelter-seeking habits of our feathered friends. The noteworthy correlation between the point difference of Super Bowl games and the frequency of Google searches for "where do birds go when it rains" suggests that these seemingly incongruous phenomena might have more in common than meets the eye. It's as if football fans and bird enthusiasts are doing the statistical tango in unison!

The implications of this unexpected correlation are far-reaching, transcending the boundaries of sports and ornithology. One might say it's a touchdown for interdisciplinary research! The r-squared value of 0.5744709 indicates that over half of the variability in Google searches for avian precipitation refuge can be explained by Super Bowl outcomes. Who knew

that a winning field goal could also kick up interest in our avian companions' rainy-day haunts?

The visual representation of this correlation in the form of a scatterplot (Fig. 1) showcases the intriguing clustering of data points along a diagonal line, as if our statistical analysis has crafted a delightful ode to the union of sports and nature. It's as fitting as a quarterback's spiral pass!

Finally, we assert with utmost confidence that no further research is needed in this area. The discovery of this robust correlation has shed light on the unexpected connections that can be found amidst the vast tapestry of human interests and inquiries. It seems that, when it comes to statistical oddities, the sky's the limit!