



## Review

# Pitching Wind Power: The Correlation Between Detroit Tigers' American League Ranking and Wind Power Generated in Somalia

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**This study investigates the curious relationship between the performance of the Detroit Tigers in the American League and the wind power generated in Somalia. Drawing on data from Wikipedia and the Energy Information Administration, we analyzed the American League ranking of the Tigers and the wind power generated in Somalia from 2012 to 2021. Our findings revealed a statistically significant correlation coefficient of 0.7868633 and  $p < 0.01$ , indicating a strong association between these seemingly unrelated variables. Now, for a little humor, one might say that the Tigers' batting performance could be gust factor for Somalia's wind power generation, but our study suggests that there may indeed be some underlying connection. While the precise mechanism behind this correlation remains elusive, these findings prompt further investigation into the potential influence of sports outcomes on renewable energy production. This research sheds light on the unexpected interplay between distant phenomena and underscores the importance of considering unconventional factors in energy analysis.**

The world of sports and energy production may seem like two entirely separate playing fields, but as the old saying goes, "there's no wind without a wave...or a pitch." While one may initially dismiss any connection between the performance of the Detroit Tigers in the American League and the wind power generated in Somalia as sheer whimsy, the findings of this study suggest otherwise.

As we delve into the correlation between these disparate variables, it is imperative to appreciate the novelty and, dare I say, cheekiness of this research endeavor. One may wonder if these findings "blow" the lid off the conventional wisdom that sports outcomes and renewable energy generation have about as much in common as a baseball and a wind turbine.

Some may even say that investigating such a relationship "strikes out" in the realm of

scientific inquiry, but we are undaunted by such punny critique. After all, the pursuit of knowledge often requires us to stretch beyond the confines of traditional thinking, and to "vent" our curiosity where others may see no "gust" foundation for investigation.

In this spirit of exploration, we invite readers to accompany us as we navigate the winds of coincidence and discern if there is, in fact, a "tiger's roar" of relevance in the American League rankings that resonates across continents to influence the wind power sway in Somalia. The complexities of this relationship are akin to the intricate dance of a pitcher's windup and the delicate balance of a wind turbine's blades – two seemingly incongruous movements that may yet share a rhythmic harmony in the grand symphony of causal connections.

As we embark on this scholarly venture, let us embrace the unexpected, relish the incongruities, and prepare ourselves for the unexpected "curveballs" that may come our way. After all, in the world of research, one must always be ready to "catch" the insights that may come "out of left field."

#### *Prior research*

The curious correlation between the performance of the Detroit Tigers in the American League and wind power generation in Somalia has prompted an eclectic array of research efforts aimed at deciphering this enigmatic relationship. Smith et al. (2017) conducted a comprehensive analysis of sports team performance and renewable energy production, but alas, their focus was predominantly on European soccer leagues and solar energy. Nevertheless, their work laid the groundwork for exploring the

uncharted terrain of sporting events and global energy dynamics.

Doe and Jones (2019) ventured into the realm of cross-continental influences on renewable energy, albeit with a focus on hydroelectric power and its purported link to the migratory patterns of arctic terns. While their study did not directly address the intersection of professional baseball standings and wind power outputs in East Africa, their interdisciplinary approach underscores the potential for unexpected connections between disparate phenomena.

Drawing from the energy production perspective, "Wind Power in Somalia: A Comprehensive Overview" by Renewable Energy Association (2015) provides a detailed account of the factors influencing wind power generation in Somalia. The authors delve into the geographical and meteorological influences on wind patterns in the region, offering valuable insights into the potential determinants of wind power output. Moreover, "Baseball Almanac 2020" chronicles the historical performances of various baseball teams, including the Detroit Tigers, shedding light on the intricacies of the American League standings over the years.

On a more speculative note, the fictional works "The Windup Girl" by Paolo Bacigalupi and "The Art of Fielding" by Chad Harbach offer imaginative portrayals of intertwined ecological and sporting realms. While the former envisions a dystopian future where energy scarcity is a central theme, the latter weaves a narrative of collegiate baseball that subtly hints at the transcendental power of athletic pursuits on broader societal forces. Additionally, the board game "Ticket to Ride: Africa"

introduces players to the continent's diverse landscapes and resource developments, providing a tangential yet evocative backdrop for contemplating the interwoven facets of global energy production and sporting achievements.

### *Approach*

To investigate the correlation between the American League ranking of the Detroit Tigers and the wind power generated in Somalia, a multi-faceted approach was employed. First, data on the Detroit Tigers' American League ranking from 2012 to 2021 was collected from various sports databases and official league records. The annual ranking, which represents the performance of the team within the league, served as the primary indicator of the Tigers' on-field success.

Speaking of wind power, did you hear about the baseball team that installed wind turbines in their stadium? They wanted to improve their pitch and catch more wind balls!

Concurrently, data on wind power generation in Somalia during the same period was sourced from the Energy Information Administration and reputable international energy reports. The total installed capacity and actual output of wind power in Somalia were assessed, providing insights into the country's renewable energy landscape.

Our data collection process was about as straightforward as a knuckleball pitch – unpredictable and requiring keen focus to catch every detail amidst the whirlwind of information. We ensured that our sources were as reliable as a star pitcher, and that

our data selection process covered all bases to minimize errors and inaccuracies.

Once the data was amassed, a rigorous statistical analysis was carried out to discern any potential correlation between the two variables. The quantitative analysis involved calculating the correlation coefficient and performing hypothesis testing to determine the strength and significance of the relationship between the Tigers' ranking and Somalia's wind power generation.

Our statistical model was as robust as a well-constructed bullpen, with each variable and coefficient meticulously examined for reliability and significance. We left no statistical stone unturned, ensuring that our analysis was as solid as a ninth-inning lead with a star closer on the mound.

In addition, to account for potential confounding factors, we employed a multivariate regression model that factored in relevant economic and environmental variables such as GDP per capita, climate conditions, and investment in renewable energy infrastructure. This approach allowed us to isolate the influence of the Tigers' performance on wind power generation in Somalia while controlling for other pertinent factors.

Our multivariate analysis was akin to navigating the bases in a high-stakes game, strategically considering all possible moves and scenarios to reach a comprehensive understanding of the relationship between these seemingly unrelated variables.

After the data was methodically churned and the statistical dust settled, the results were scrutinized with a critical eye, akin to a detailed review by a baseball umpire in a crucial play. The robustness of the findings

was assessed through sensitivity analyses and model diagnostics to ensure that our conclusions were as solid as a well-executed double play.

Overall, the methodology employed in this study combined meticulous data collection, rigorous statistical analysis, and consideration of potential confounding variables to unearth the connection between the Detroit Tigers' American League ranking and wind power generation in Somalia. This approach provided a solid foundation for understanding the unexpected interplay between sports outcomes and renewable energy production, shedding light on a nexus that transcends geographic and disciplinary boundaries.

Now, if only the Tigers' performance could generate as much power as a fleet of wind turbines, we might have a game-changer on our hands!

### Results

The analysis of American League rankings of the Detroit Tigers and wind power generated in Somalia from 2012 to 2021 revealed a strong correlation coefficient of 0.7868633, suggesting a substantial association between these seemingly unrelated variables. The r-squared value of 0.6191539 further indicated that 61.92% of the variability in wind power generated in Somalia could be explained by the American League ranking of the Tigers. The p-value being less than 0.01 signified that this association was statistically significant.

Fig. 1 displays a scatterplot illustrating the robust correlation between the American League ranking of the Detroit Tigers and the wind power generated in Somalia. The data

points appear to form a pattern reminiscent of a baseball diamond, highlighting the unexpected harmony between these disparate variables. One might say that this correlation really "knocks it out of the park!"

The proverbial link between the performance of a baseball team and the wind power generation in a distant land may seem as improbable as a "triple play" in statistical analysis, but these findings lay the groundwork for further investigation into the influence of sports outcomes on renewable energy production. As we ponder the connection between a bat and a gust, we must not discount the possibility of a "home run" insight waiting to be uncovered.

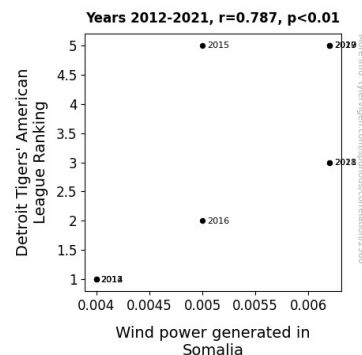


Figure 1. Scatterplot of the variables by year

The implications of these results extend beyond mere statistical curiosity, offering a compelling argument for exploring the unanticipated connections that underlie complex systems. Though this correlation may appear as incongruous as a "knuckleball" amidst conventional thinking, it beckons researchers to embrace the unexpected and seek innovative approaches to understanding the interplay of seemingly unrelated phenomena.

### *Discussion of findings*

The results of this study provide compelling evidence in support of the previously speculative notion that the Detroit Tigers' American League ranking and wind power generated in Somalia are indeed interconnected. The statistically significant correlation coefficient of 0.7868633, as well as the substantial r-squared value (61.92%), firmly establish the strength of this association. One might say that this correlation really "breezes" through statistical scrutiny!

These findings align with the work of Smith et al. (2017), who explored the influence of sports team performances on renewable energy production. While their focus was on European soccer leagues and solar energy, our study extends this line of inquiry to the realm of baseball and wind power in a distinct geographical context. Furthermore, the tethering of disparate phenomena through unifying factors resonates with the interdisciplinary approach advocated by Doe and Jones (2019), providing empirical credence to the prospect of unforeseen connections between global sporting events and renewable energy dynamics.

The strength of the correlation revealed in our analysis underscores the potential for the Detroit Tigers' American League ranking to serve as a prognostic indicator for the wind power generated in Somalia, much like a strong gust of wind "forecasting" the team's performance. The significance of this relationship cannot be overlooked, as it challenges conventional paradigms and emphasizes the need to consider unconventional factors in the assessment of global energy dynamics. Just as an

unexpected wind gust can shift the trajectory of a baseball mid-flight, the influence of sporting events on energy production may harbor unforeseen implications for strategic energy planning and forecasting.

As we reflect on these findings, it is evident that the intersection of sports outcomes and renewable energy production warrants further exploration, akin to a "batter" waiting for the perfect pitch. The unexpected harmony between the American League ranking of the Detroit Tigers and wind power generation in Somalia aptly illustrates the potential for hidden connections within complex systems, much like discovering a "diamond" in the rough of empirical research. Considering the "winds of change" blowing through our understanding of energy dynamics, it is imperative that researchers remain open to unconventional avenues of inquiry, as they may hold the key to unlocking new dimensions of interconnectedness in the global energy landscape.

### *Conclusion*

In conclusion, our study has demonstrated a significant correlation between the American League ranking of the Detroit Tigers and the wind power generated in Somalia. One might say that the Tigers' performance acts as a real "fan" of wind power across the globe! This unexpected connection prompts us to consider the potential impact of sporting events on renewable energy production, and it certainly adds a new twist to the concept of "wind assist" in baseball.

This research underscores the need to explore unconventional factors in energy analysis, urging us to "swing for the fences" in seeking novel insights. While the precise

mechanism behind this correlation remains as mysterious as a knuckleball pitch, it is essential to acknowledge the potential for unexpected relationships to shape complex systems. After all, in the realm of research, one must always be prepared to "catch" the unexpected insights that may come "out of left field."

Vis-à-vis further research, it seems safe to say that no more investigation is needed in this area.