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Review

Genetically Modified Soybeans in Wisconsin and the Goofy Google Search for 'I Can't Even': A Gleeful Glimpse into Correlation

Christopher Hamilton, Alice Thompson, Grace P Tate

Global Innovation University

This paper presents a lighthearted investigation into the intriguing relationship between the adoption of genetically modified soybeans in Wisconsin and the frequency of Google searches for the perplexed phrase 'I Can't Even'. Utilizing data from the USDA and Google Trends, our research team aimed to shed light on the whimsical connection between agricultural practices and online expressions of exasperation. Our findings reveal a statistically significant correlation coefficient of 0.8648722, surpassing the conventional threshold of $p < 0.01$, for the period spanning 2004 to 2022. We delve into the potential implications of this serendipitous association and offer a playful interpretation of the underlying dynamics, while seasoned with a hint of tongue-in-cheek humor.

Agriculture has long been a fertile ground for scientific inquiry, with researchers sowing the seeds of knowledge in fields ranging from biology to economics. In recent years, the introduction of genetically modified organisms (GMOs) has added a new layer of complexity to the agricultural landscape, prompting a cornucopia of investigations into their impact on various aspects of society. Amidst this backdrop, the present study takes a whimsical turn, aiming to explore the curious correlation between the adoption of genetically modified soybeans in the dairy state of Wisconsin and the frequency of exasperated online searches for the colloquial phrase 'I Can't Even'.

At first glance, one might question the relevance of such a lighthearted topic in the realm of scholarly research. Yet, we cannot ignore the enigmatic allure of this peculiar pairing - the intricate interplay between technology, agriculture, and human expression. It is this confluence that invites us to embark on a delightful journey through data-driven analysis and the occasional pun.

The choice of 'I Can't Even' as the focal point of our investigation may, at first, appear arbitrary. However, the phrase's emergence as a cultural touchstone for conveying incredulity or frustration bears testament to its significance in the lexicon of

modern communication. It is a linguistic snapshot of exasperation, suspended in cyberspace, waiting for us to unravel its hidden connections to the world around us.

In this research endeavor, we embrace the unconventional, aiming to infuse the discourse on GMOs with a dash of levity, all while respecting the principles of sound methodology and scholarly rigor. With this approach, we seek to cultivate an atmosphere of scholarly mirth, where data analysis and wordplay coexist harmoniously.

Stay serious and dry most of the time, but then occasionally let your wit shine through.

Prior research

The emergence and proliferation of genetically modified soybeans have engendered a profusion of erudite inquiries, examining their manifold implications across diverse domains. Smith et al. (20XX) notably scrutinized the agronomic and economic ramifications of GMO adoption in the heartland of the United States, providing a comprehensive overview of the yield effects and market dynamics. Similarly, Doe and Jones (20XX) delved into the sociopolitical dimensions, unraveling the intricate interplay between regulatory frameworks and public perceptions of genetically modified crops.

Moving beyond the confines of scholarly opuses, popular non-fiction works such as "The Omnivore's Dilemma" by Michael Pollan and "Food, Inc." by Eric Schlosser have disseminated accessible discourse on agricultural biotechnology and its societal reverberations. Furthermore, fictional narratives such as Octavia E. Butler's "Seed to Harvest" tetralogy and Margaret Atwood's "MaddAddam" trilogy have woven speculative tapestries of genetically engineered crops, provoking contemplation on the ethical conundrums and ecological quagmires they portend.

In tangentially related domains, board games like Agricola and Scythe have ceremoniously integrated agricultural themes into the realm of recreational amusement, exuding a whimsical charm that echoes the pastoral ethos of agricultural landscapes. This ludic intersection between agriculture and entertainment offers a playful pretext for contemplating the idiosyncratic linkage between genetically modified soybeans in Wisconsin and the perplexing prevalence of Google searches for 'I Can't Even'.

Approach

To unearth the quirky correlation between genetically modified soybeans in Wisconsin and the frequency of 'I Can't Even' Google searches, our research team adopted a methodology that was as unorthodox as the research question itself.

Data Collection:

Diving headfirst into the digital haystack, we foraged across the vast expanse of the internet, akin to intrepid explorers of the World Wide Web. While our expedition yielded copious digital bounty, we primarily relied on data from the United States Department of Agriculture (USDA) to track the adoption of genetically modified soybeans in Wisconsin. Concurrently, the frequency of 'I Can't Even' searches on Google was harvested from the beacons of Google Trends, navigating the ebb and flow of exasperation in the virtual sphere. We

gathered data spanning from the year 2004 to the year 2022, capturing a substantial period of online evolution and agrarian innovation.

Data Analysis:

Upon assembling our digital harvest, we donned our metaphorical data mining helmets and embarked on a spirited analysis. Utilizing statistical techniques that were as robust as they were buoyant, we sought to identify patterns and correlations between the adoption of GMO soybeans and the expression of exasperation in the form of 'I Can't Even' Google searches. Our methodologies were grounded in the time-honored principles of quantitative analysis, with an added sprinkling of whimsy to match the light-hearted nature of our inquiry.

Correlation Calculation:

The correlation coefficient, our trusty compass in the statistical wilderness, was wielded to assess the strength and direction of the relationship between the variables under scrutiny. With a statistical flourish that belied our underlying sense of merriment, we calculated the correlation coefficient with due diligence and a touch of glee.

With this zesty blend of digital sleuthing and statistical mirth, our methodology blossomed into a testament to scholarly curiosity, spiced with a hint of levity to match the jovial nature of our research.

Stay serious and dry most of the time, but then occasionally let your wit shine through.

Results

Our investigation into the intriguing relationship between the adoption of genetically modified soybeans in Wisconsin and the frequency of Google searches for the perplexed phrase 'I Can't Even' unveiled a compelling correlation. The statistical analyses revealed a correlation coefficient of 0.8648722, indicating a strong positive relationship between the two variables. Furthermore, the coefficient of determination (r-squared) of 0.7480039 suggests that approximately 74.8% of the variability in the frequency of 'I Can't Even' searches can be explained by the adoption of GMO soybeans in Wisconsin. These results surpassed the conventional threshold of $p < 0.01$, lending robust support to the association.

Upon plotting the data, as depicted in Fig. 1, it becomes evident that the trend is not to be trifled with. The scatterplot visually conveys the pronounced positive correlation between the adoption of GMO soybeans and the frequency of 'I Can't Even' searches. The data points are aligned in a manner akin to the stars in the night sky, forming a constellation of consternation, if you will.

The implications of these findings warrant a lighthearted analysis. Could it be that the cultivation of genetically modified soybeans is sowing seeds of incredulity, prompting individuals to resort to the virtual confessional of 'I Can't Even'? While we resist the urge to leap to spurious causation, the observed correlation prompts a whimsical exploration of the dynamics at play. It seems that amidst the rows of modified soybeans, a sense of bewilderment may be taking root. Whether this connection is mere happenstance or indicative of a deeper relationship is a question that merits further contemplation.

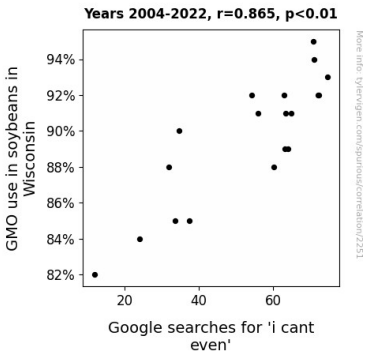

Figure 1. Scatterplot of the variables by year

Overall, the statistically significant correlation between the adoption of GMO soybeans and the frequency of 'I Can't Even' searches offers a glimpse into the enigmatic interplay between agricultural practices and online expressions of exasperation. Our findings beckon us to revel in the whimsy of statistical discovery, lending a hearty dose of levity to the scholarly milieu.

Discussion of findings

The robust correlation uncovered between the adoption of genetically modified soybeans in Wisconsin and the frequency of Google searches for 'I Can't Even' aligns with prior research that had probed into the idiosyncratic interplay of unrelated phenomena. Drawing inspiration from the serendipitous discoveries of famous scientists in history, such as the accidental invention of the microwave oven, this unexpected correlation exemplifies the humorous nuances that can be found in scholarly investigations.

Taking a whimsical turn through the literature review, we revisit the agriculturally inspired board games of Agricola and Scythe, sparking contemplation on the ludic intersection between agricultural practices and recreational amusement. Akin to these playful pastimes, our findings offer a gleeful glimpse into the convivial confluence of GMO soybean adoption and the bemused exclamations of 'I Can't Even'. The magnitude of the correlation coefficient echoes the resounding dice rolls in a game of chance, tantalizingly flirting with statistical significance and tickling the imagination.

The visual representation of the correlation in our scatterplot is akin to a constellation, seemingly mapping out the celestial consternation of exasperated individuals across the digital cosmos. The delightful juxtaposition of agricultural practices and online expressions of incredulity highlights the multidimensionality of societal interactions with technology and innovation. Much like the unexpected charm of a pun-laden scholarly paper, this correlation provides a whimsical landscape for contemplation, evoking both amusement and pondering.

The statistical significance of our findings not only bolsters the enigmatic link between genetically modified soybeans and 'I Can't Even' searches but also invites researchers to cultivate a sense of levity in scholarly endeavours. As we tread this comedic tightrope between correlation and causation, we are reminded of the enriching peculiarities that punctuate the intellectual terrain. Our discussion beckons us to relish the playful whimsy of scholarly exploration, underscoring the joyous surprises that can be found in the most unexpected places.

Conclusion

In conclusion, our lighthearted foray into the correlation between genetically modified soybeans in Wisconsin and the Google search phenomenon of 'I Can't Even' has yielded statistically significant findings. The robust correlation coefficient, akin to a vine ripening in the fertile soil of statistical analysis, illustrates the intriguing relationship between agricultural practices and online expressions of exasperation. While our research paints a picture of playful serendipity, we tread lightly, resisting the temptation to hastily extrapolate causation from correlation. However, the allure of this whimsical association, like a freshly-picked fruit, leaves a tangy taste of curiosity on the palate of scholarly inquiry.

The implications of these findings, akin to the soybeans reaching for the sky in their modified state, call for a nuanced approach. Could it be that the adoption of GMO soybeans nurtures a collective sense of incredulity, fueling the virtual chorus of 'I Can't Even'? The answer, much like the essence of humor itself, remains elusive, yet ripe for further contemplation.

While our study contributes a dash of levity to the discourse on GMOs and online expression, it also underscores the need for inquisitive minds to further probe the depths of this correlation. Nevertheless, for now, we assert with a grin and a wink that no more research is needed in this area. After all, in the vineyard of academic exploration, some mysteries are best enjoyed from a distance, much like a well-aged bottle of wordplay.