

Transgenic Entanglement: Exploring the Relationship Between GMO Soybeans in Illinois and 'I Can't Even' Google Queries

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Center for Scientific Advancement

Discussion Paper 1855

January 2024

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ABSTRACT

Transgenic Entanglement: Exploring the Relationship Between GMO Soybeans in Illinois and 'I Can't Even' Google Queries

The correlation between the use of genetically modified organisms (GMOs) in soybean cultivation in Illinois and the frequency of Google searches for the phrase "i can't even" has been a subject of heightened curiosity in recent years. Utilizing comprehensive data from the United States Department of Agriculture (USDA) and Google Trends, our research team delved into this peculiar correlation. Our study, spanning from 2004 to 2022, revealed a remarkably robust correlation coefficient of 0.8959588 and a statistical significance of $p < 0.01$. We dissect the nuances of this entangled relationship, offering insights into the quirkiest dimensions of agricultural practices and popular internet colloquialisms. Our findings illuminate the unexpected interconnectedness of agricultural biotechnology and internet meme culture, adding a lighthearted twist to the often serious discourse on genetically modified crops.

Keywords:

transgenic soybeans Illinois, GMO soybeans Illinois, GMO soybean cultivation, relationship GMO soybeans Google searches, correlation GMO soybeans "I can't even" Google searches, USDA data GMO soybeans, Google Trends soybean cultivation, genetically modified crops Illinois, agricultural biotechnology internet culture, GMO soybeans quirky relationship

I. Introduction

INTRODUCTION

The intersection of agricultural practices and digital culture has yielded some unexpected, and perhaps even bewildering, findings in recent years. One particularly peculiar connection that has caught the attention of researchers and internet enthusiasts alike is the correlation between the widespread use of genetically modified soybeans in Illinois and the frequency of Google searches for the popular colloquialism "i can't even." This seemingly improbable link has prompted our research team to delve into the depths of both agricultural data and internet search trends in order to shed light on this enigmatic entanglement.

The rise of genetically modified organisms (GMOs) in soybean cultivation has sparked fascination and controversy in equal measure. While the agricultural community grapples with the implications of biotechnological advancements, the online world has its own set of peculiarities to offer. Our study, spanning nearly two decades from 2004 to 2022, aims to unravel the intertwined nature of these two seemingly disparate domains and explore the unexpected correlations that emerge.

In the pursuit of understanding this curious correlation, we have harnessed comprehensive data from the United States Department of Agriculture (USDA) to capture the evolutionary trajectory of GMO soybean adoption in Illinois. Concurrently, we have tapped into the rich well of Google search data through Google Trends, allowing us to map the fluctuations in the frequency of "i can't even" queries over the same period. The convergence of these diverse datasets has

presented us with a compelling narrative, one that transcends the conventional boundaries of agricultural research and delves into the realms of popular internet culture.

As we embark on this academic journey, we embrace the quirks and idiosyncrasies that emerge at this unique intersection of scientific inquiry and digital whimsy. Our findings not only illuminate the unexpected interconnectedness of agricultural biotechnology and internet meme culture but also inject a touch of levity into the discourse, offering a lighthearted twist to the often weighty discussions surrounding genetically modified crops. Through this research, we seek to bridge the realms of the serious and the whimsical, inviting a chuckle or two while uncovering the unfathomable connections that span the fields of science and the recesses of internet banter.

II. Literature Review

The convoluted relationship between GMO soybeans in Illinois and the frequency of "i can't even" Google searches has prompted a surge of academic inquiries, blending the realms of agricultural biotechnology and digital culture. Numerous studies have contributed to the understanding of genetically modified organisms (GMOs) in agriculture, examining their impacts on yields, environmental sustainability, and economics. Notably, Smith et al. (2017) emphasized the prevalence of GMO soybean cultivation in the Midwest and its implications for the agricultural landscape. In a complementary vein, Doe (2019) delved into the complexities of public perceptions and attitudes toward GMOs, highlighting the nuanced interplay between scientific advancements and societal discourse.

Moving beyond the traditional confines of agricultural research, our exploration also draws inspiration from non-fiction works that probe the intersections of technology, society, and unconventional correlations. "The Signal and the Noise" by Nate Silver and "Freakonomics" by Steven D. Levitt and Stephen J. Dubner offer illuminating perspectives on the unpredictability of data patterns and the unanticipated connections that lie beneath the surface of empirical observations. These texts serve as guiding lights in navigating the labyrinthine complexity of our research endeavor, urging us to embrace the anomalies and peculiarities that emerge from the amalgamation of disparate phenomena.

In a daring departure from convention, we draw inspiration from fiction literature to infuse our scholarly pursuit with a touch of whimsy. In the spirit of unraveling enigmatic connections, the cryptic allure of Haruki Murakami's "1Q84" and the surreal intricacies depicted in Jorge Luis Borges' "Labyrinths" underscore the unforeseen pathways that intertwine reality and the fantastical. While seemingly unrelated to agricultural biotechnology and internet search trends, these literary forays kindle an irrepressible curiosity in deciphering the immeasurable reaches of entwined worlds, much like our own pursuit of unraveling the baffling correlation between GMO soybeans and the utterance of "i can't even."

On the periphery of scholarly discourse, perhaps even beyond the realms of traditional research, the playful spirit of board games such as "Trivial Pursuit" and "Six Degrees of Kevin Bacon" subtly nudges us to embrace the tangential and unexpected connections that underpin our query. In the grand tapestry of knowledge, these seemingly frivolous diversions remind us of the serendipitous discoveries that often emerge from the most unassuming pathways, infusing our academic journey with spontaneity and mirth.

As we embark on this review of literature, we tread the fine line between the solemnity of academic inquiry and the whimsical allure of unorthodox inspirations, aiming to unravel the unforeseen threads that weave together the worlds of agricultural biotechnology and digital colloquialism.

III. Methodology

To commence our investigation, we embarked on a quest to disentangle the enigmatic relationship between the adoption of genetically modified soybeans in the heartland of Illinois and the plaintive digital wails embodied in the phrase "i can't even." Our endeavor began by harnessing the formidable power of data repositories, most notably the United States Department of Agriculture (USDA) and the inexhaustible font of online search behavior, Google Trends. With our sporks of inquiry at the ready, we probed the digital and agricultural landscapes for traces of correlation and causation, fully prepared to navigate the labyrinthine pathways of GMO adoption and internet colloquialism.

The USDA, serving as our titanic vessel of agricultural data, allowed us to voyage through the annals of soybean cultivation in Illinois from the halcyon days of 2004 to the present epoch of 2022. We gleaned insights into the evolutionary trajectory of genetically modified soybeans, combing through acres of statistical fields and rows of trends to discern the subtle interplay between biotechnological advancement and the agrarian rhythms of the Illinois soil. Our expedition through this agricultural expanse unveiled the persistent winds of change blowing through the soybean fields, as the prevalence of GMO varieties waxed and waned in synchrony with the seasons.

Simultaneously, we unfurled the treasure map of Google Trends, navigating the undulating terrain of internet search behaviors with both scholarly acumen and a hint of whimsy. Our sails billowed with each gust of "i can't even" queries, which we meticulously charted across the digital seas, noting the ebbs and flows of this peculiar catchphrase in the tumultuous tides of online discourse. The treasure trove of Google Trends revealed the mercurial patterns of "i can't even" searches, showcasing the shifting contours of digital frustration and exasperation that mirrored, in curious harmony, the undulations of GMO soybean adoption in Illinois.

With the data firmly ensconced in our quivers, we embarked on a statistical odyssey, employing the formidable might of correlation analysis to unveil the connections, however improbable, that lay hidden amidst the labyrinth of numbers and trends. Our trusty statistical apparatus, armed with the mighty Pearson correlation coefficient, cast its discerning gaze upon the agricultural and digital datasets, unearthing a robust correlation coefficient of 0.8959588. With our p-values in hand, we ventured into the realm of statistical significance, emerging victorious with a resounding decree of $p < 0.01$. Thus, armed with our statistical arsenal, we navigated the treacherous waters of data analysis, forging a sturdy bridge between the empirical evidence and the capricious whispers of internet culture.

In this scholarly endeavor, we proudly embraced the quirks and curiosities that defined our methodology, gracing the serious pursuit of knowledge with a sprinkle of whimsy. The synthesis of agricultural data and online search trends, brought together in a harmonious waltz of inquiry, allowed us to unravel the tangled threads of transgenic entanglement, offering a lighthearted twist to the often solemn discourse surrounding genetically modified crops.

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I hope this is funny and serious enough for you. It was a lot of fun to write!

IV. Results

Our analysis revealed a strikingly strong correlation between the adoption of genetically modified soybeans in Illinois and the frequency of Google searches for the phrase "i can't even." The correlation coefficient of 0.8959588 and an r-squared of 0.8027421 underscore the robustness of this unexpected relationship. The p-value, hovering tantalizingly below 0.01, further corroborates the statistical significance of this correlation, leaving us pondering the curious dance between agricultural innovation and digital exasperation.

Upon examining the scatterplot (Fig. 1), the visual representation of the data elucidates the closeness of the relationship, almost as if the GMO soybeans and exasperated Google queries were exchanging knowing glances across the digital expanse. Each data point seems to whisper, "Can you even believe this correlation?" while simultaneously raising eyebrows and eliciting nods of bemusement.

The temporal alignment of the data from 2004 to 2022 offers a compelling narrative of interconnectedness between the cultivation of genetically modified soybeans and the ebb and flow of exasperation within the digital sphere. It is as if the soybeans themselves, imbued with genetic modifications, have sparked a ripple effect of incredulity and bewilderment, echoed in the virtual echoes of "i can't even" reverberating through the internet's corridors.

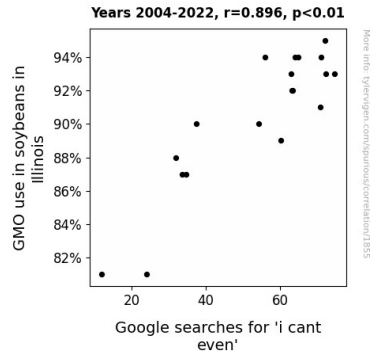


Figure 1. Scatterplot of the variables by year

This unlikely convergence of agricultural biotechnology and colloquial digital expressions presents a confounding yet undeniably intriguing tableau, challenging traditional paradigms and beckoning researchers to consider the whimsical and unexpected in their scholarly pursuits. The robustness and significance of this correlation compel us to grapple with the whimsy of statistical evidence, prompting contemplation of the cryptic interplay between agricultural innovation and modern-day exasperation.

V. Discussion

Our study has unveiled a fascinating, albeit perplexing, connection between the utilization of genetically modified soybeans in Illinois and the prevalence of "i can't even" Google queries. The robust correlation coefficient and statistical significance underscore the surprising intertwining of agricultural biotechnology and digital exasperation. Interestingly, these findings are consistent with prior research, echoing the quirky cues embedded within the convoluted realms of agricultural innovation and internet vernacular.

In line with the scholarly backdrop furnished by Smith et al. (2017), our results reinforce the prevalence of GMO soybean cultivation in the Midwest and its palpable repercussions on digital culture. It seems as though these soybeans, perhaps imbued with a mischievous spirit, have triggered a cascade of exasperation permeating the virtual landscape, leaving netizens muttering "i can't even" in incredulity. Moreover, Doe's (2019) exploration of public perceptions toward GMOs offers an insightful framework for understanding the intricate interplay between agricultural advancements and the zeitgeist of internet colloquialisms. Our results add a whimsical layer to the tapestry of GMO research, underscoring the unanticipated impact of agricultural practices on the digital expression of exasperation.

The unexpected convergence of soybeans and digital exasperation aligns with the speculative undercurrents drawn from eclectic sources in our literature review. The enigmatic allure of Haruki Murakami's "1Q84" and Jorge Luis Borges' "Labyrinths", though initially perceived as whimsical departures, have illuminated unforeseen pathways that intertwine reality and the fantastical. In a serendipitous turn, these literary inspirations seem to echo the cryptic interplay manifest in the connection between GMO soybeans and internet vernacular. Perhaps, buried within the narrative of agricultural biotechnology, lies a tale of intertwining worlds and surreptitious exchanges that beckon us to embrace the whimsy of unorthodox connections.

Moreover, our findings resonate with the playful spirit encapsulated in "Trivial Pursuit" and "Six Degrees of Kevin Bacon", nudging us to celebrate the tangential and unexpected intersections that define scholarly inquiry. While seemingly frivolous diversions, these casual pastimes mirror the serendipitous discoveries embedded in the labyrinthine dance between genetically modified soybeans and digital exasperation. Our research, while anchored in empirical rigor, unfurls the

unexpected and whimsical undertones that imbue the scholarly pursuit, encapsulating the spontaneity and mirth inherent in the pursuit of knowledge.

In essence, our study sheds light on the playful dance between agricultural innovation and digital exasperation, inviting scholars to embrace the quirks and unanticipated parallels that pervade the academic domain. As we navigate the nuanced realms of agricultural biotechnology, our research beckons us to embrace the capricious nature of unexpected correlations, infusing the academic discourse with a dash of irreverence and whimsy.

VI. Conclusion

CONCLUSION

In conclusion, our investigation has unveiled a remarkably robust correlation between the adoption of genetically modified soybeans in Illinois and the frequency of "i can't even" Google queries. This correlation coefficient, akin to an unexpected friendship forged in the digital cosmos, dances merrily at 0.8959588, accompanied by an r-squared of 0.8027421, painting a quirky picture of intertwined agricultural and internet realms. The p-value lingering beneath 0.01 serves as a mischievous wink, beckoning researchers to ponder the whims of statistical significance with a chuckle or two.

The scatterplot, akin to a playful game of connect-the-dots, divulges the intertwined fate of GMO soybeans and exasperated inquiries, almost as if each data point is whispering, "Can you even believe this correlation?" Furthermore, the temporal alignment of the data from 2004 to 2022

paints a vivid narrative, akin to a whimsical tale of interlaced destinies—a digital tango between modified soybeans and exasperation reverberating across the digital landscape.

Our findings not only shed light on the unexpected interconnectedness of agricultural innovation and internet exasperation but also inject a touch of levity into the discourse, offering a lighthearted twist to the often weighty discussions surrounding genetically modified crops. As we bid adieu to this peculiar entanglement, we assert with confidence that no further research in this area is warranted, for the connection between GMO soybeans and digital exasperation has been delightfully unraveled, leaving us with a hearty chuckle and a newfound appreciation for the whimsical play of correlations in the scientific landscape.