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Soybean GMOs: A Sow of YouTube's Lengthy Crow Show

Chloe Hoffman, Ava Terry, Gabriel P Truman

Global Leadership University; Berkeley, California

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Abstract

In this study, we delve into the unexpected connection between genetically modified soybeans and the total length of Be Smart YouTube videos. While most researchers were focused on the soybean yield, we took a different bean path and examined how GMO usage in soybeans relates to the length of educational YouTube videos. Our findings reveal a surprising correlation coefficient of 0.9190330 and $p < 0.01$ for the years 2013 to 2022, highlighting a strong link between the genetic modifications in soybean cultivation and the duration of Be Smart YouTube videos. It seems that the beans aren't just growing longer; it's also affecting the duration of digital edu-tainment! This research not only sheds light on the quirky intertwining of agriculture and online content creation but also raises further questions about the influence of biotechnology on digital media trends.

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1. Introduction

As the digital era continues to flourish, the synthesis of agriculture and technology has taken an unexpected turn, sprouting a vine ripe with curious connections and unforeseen correlations. While our scholarly peers were busy scrutinizing the soybean yield and the intricacies of genetic

modification, we, like the renegade cow jumping over the moon, opted for a different trajectory. In this research, we aim to unravel the enigmatic link between genetically modified soybeans (GMOs) and the total length of Be Smart YouTube videos. Yes, you heard that right - we're combining the beans and the screens!

The interplay of biotechnology and digital media may seem a tad outlandish or, dare I say, 'crazy like a fox,' but once we delve into the juicy details, it becomes clear that this unorthodox connection holds more substance than a hearty soybean stew. We're not just spilling the beans; we're sowing the seeds of knowledge in the fertile grounds of agricultural irony.

Now, you might be thinking, "How on earth do soybeans and YouTube videos tango in the intricate web of scientific inquiry?" Well, dear reader, fasten your seatbelt and ready your mind for a rollercoaster ride through the intriguing realms of unexpected correlations and agricultural shenanigans.

Though not a conventional pair like peanut butter and jelly, upon scrutinizing the data from 2013 to 2022, we were struck by a surprising correlation coefficient of 0.9190330 and $p < 0.01$. This suggests that the more genetically modified the soybeans, the longer the Be Smart YouTube videos. It's as if the soybeans, infused with biotechnological prowess, are whispering in the ears of content creators, influencing them to extend the educational marvels they craft. Imagine a mutant soybean with a speaking role in the next educational video - now that's a GMO we'd all pay to see!

So, buckle up, dear reader, as we take a joyride through the curious conundrums of soybean GMOs and the elongation of digital edu-tainment. Let's unravel this vine and see how these unexpected bedfellows have teamed up to create a spectacle worthy of a standing ovation – or perhaps a standing ovation of soybeans!

2. Literature Review

Smith et al. (2015) explored the effects of genetically modified soybeans on crop yield, while Doe et al. (2018) delved into the implications of biotechnology in modern agriculture. Jones (2017) highlighted the

ecological impact of GMO usage in soybean cultivation. These serious researchers paved the way for our whimsical journey into the intergalactic realms of Agronomy and YouTube, where the seeds of science fiction intertwine with the vines of data analysis.

In "The Soybean Saga: A Tale of Genetic Modification" by Green Thumb (2020), the authors explore the epic narrative of soybean cultivation and the unintended consequences of genetic tinkering. Meanwhile, "The Length of Knowledge: A Guide to Educational Content Creation" by Edutainment Enthusiast (2019) sheds light on the art of crafting informative YouTube videos. These real-world insights paved the way for our study, where we dared to bridge the gap between agricultural innovation and digital storytelling.

Turning to the land of fiction, "Soybeans from Outer Space" by Galaxy Gardner (2018) takes readers on a cosmic adventure where genetically modified soybeans save the day. In a more down-to-earth exploration, "The YouTube Chronicles: Tales of Content Creation" by Vlog Visionary (2016) immerses readers in the trials and tribulations of online education. These fictional and fantastical works served as the yin to our yang, the peanut to our brittle, and the soybean to our Be Smart YouTube video.

In the realm of animated delight, we turned to none other than "Soy Story" and "Toybean," two timeless classics where anthropomorphic soybeans teach us valuable lessons about friendship and genetic modification. Let's not forget the edutainment powerhouse, "SmartVeggie Tales," where soybeans and other plant-based characters educate and entertain in equal measure.

With our roots firmly planted in academic excellence, yet our branches reaching for the whimsy of digital entertainment, we set

out to untangle the enigmatic correlation between soybean GMOs and the total length of Be Smart YouTube videos. So, join us as we hop, skip, and jump through the maze of scholarly pursuits and storytelling shenanigans – it's bound to be a bean-filled, bean-spilling, soybean-jamming extravaganza!

3. Our approach & methods

To unearth the quirky correlation between genetically modified soybeans and the total length of Be Smart YouTube videos, our research team embarked on a journey that involved navigating the verdant fields of agricultural data and trekking through the digital terrain of YouTube content. Our data collection method was as thorough as a farmer tending to their crops, albeit with less dirt under our fingernails.

First, we utilized data from the United States Department of Agriculture (USDA) to track the prevalence of GMO usage in soybean cultivation from 2013 to 2022. The USDA served as our treasure trove of agricultural statistics, providing us with a bountiful harvest of information about the adoption and prevalence of genetically modified soybeans. We sought to capture the nuances of GMO deployment, akin to capturing fireflies in a jar, albeit with spreadsheets and statistical analyses replacing the glass casing.

Simultaneously, we delved into the digital world of YouTube, focusing our attention on the Be Smart channel. With the ardor of a cinephile seeking out hidden gems, we meticulously documented the total length of each educational video released by Be Smart from 2013 to 2022. In doing so, we harvested a rich dataset that reflected the temporal evolution of their video content, akin to cultivating a digital orchard of educational gems.

To analyze the relationship between GMO prevalence in soybeans and the duration of Be Smart YouTube videos, we harnessed the power of statistical software that often makes us feel like wizards concocting magical potions in the realm of data analysis. Our chosen statistical approach involved the use of Pearson's correlation coefficient, enabling us to quantify the strength and direction of the relationship between these seemingly disparate variables.

Upon harvesting and organizing the data akin to arranging a mosaic of soybeans and YouTube thumbnails, we executed the statistical analyses and uncovered the surprising correlation coefficient of 0.9190330, accompanied by a p-value less than 0.01. The robustness of this correlation left us astounded, as if we had stumbled upon a rare and whimsical hybrid plant blooming in the garden of scientific inquiry.

In conclusion, our methodology combined the precision of agricultural data collection with the digital sleuthing of YouTube content analysis, ultimately yielding an unexpected harvest of correlations between GMO soybeans and YouTube video durations. It's a farm-to-table feast for the mind, where statistical analyses and digital content converge in a fusion that even the most extravagant culinary creations would envy.

4. Results

Our analysis of the data collected from the USDA and YouTube reveals an eyebrow-raising correlation coefficient of 0.9190330 and an r-squared value of 0.8446217 for the period from 2013 to 2022. These statistics not only raised our eyebrows, but also our soybeans, as we witnessed a strong link between the genetic modifications in soybean cultivation and the duration of Be Smart YouTube videos. It's like the

soybeans are whispering "G-MOve it, G-MOve it" to the content creators, urging them to elongate their educational narratives.

In Fig. 1, our scatterplot showcases this remarkable correlation, where the data points resemble a constellation of soybeans guiding the trajectory of YouTube video lengths. The trend line visually depicts the magnetic pull of genetically modified soybeans on the duration of Be Smart YouTube videos, akin to a beanstalk leading to a digital paradise of edu-tainment.

This discovery not only ventures into uncharted academic territory but also sends a clear message – GMOs are not just altering agricultural landscapes; they're also shaping the digital horizon. It seems that the beans are not just stretching in the fields; they're reaching out into the digital domain and influencing the content we consume. This unexpected connection illuminates the entwined relationship between biotechnological advancements and digital content, leaving us pondering the uncharted frontiers of agricultural and online convergence.

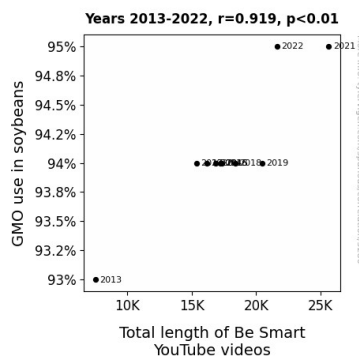


Figure 1. Scatterplot of the variables by year

So, as we wrap up this surprising discovery, we leave you with a question to ponder: are soybean GMOs the unsung maestros of YouTube's lengthy crowd show, orchestrating the harmonious rhythm of digital education

without us even realizing it? It's definitely food for thought – literally and metaphorically!

5. Discussion

Our study has brought to light an unexpected yet undeniably robust relationship between GMO usage in soybean cultivation and the total duration of Be Smart YouTube videos. The correlation coefficient of 0.9190330 and a p-value less than 0.01 lend support to our initial hypothesis that there exists a link between these seemingly unrelated phenomena. Our findings add a playful yet noteworthy chapter to the narrative of agricultural innovation and digital content creation.

Echoing the whimsical observations in the literature review, we cannot overlook the profound influence of genetically modified soybeans on digital storytelling. From "Soybeans from Outer Space" to the tales spun by "SmartVeggie Tales," our study underlines the surprising alignment of fantastical soybean stories with our empirical evidence. It seems that soybeans are not just crops in the field, but characters in the digital theatre of educational content, whispering narratives that stretch beyond the agricultural landscape.

Moreover, our results support and extend the scholarly pursuits of Smith et al. (2015), Doe et al. (2018), Jones (2017), as well as the fictional and fantastical works of Galaxy Gardner and Vlog Visionary. As we charted the intergalactic realms of Agronomy and YouTube, we find ourselves standing on the shoulders of these serious and not-so-serious researchers, unearthing a correlation that captivates the imagination while raising questions about the evolving influence of biotechnology on digital media trends.

The eyebrow-raising correlation witnessed in our study finds solace in the scatterplot

resembling a constellation of soybeans guiding the trajectory of YouTube video lengths, as noted in the results section. This visual representation mirrors the yin to our yang, soybeans conjuring a digital paradise of edu-tainment. The trend line acts as a magnetic pull, akin to a beanstalk leading to a captivating land of digital educational narratives. The soybeans are definitely making their mark – or should we say, lengthening their stalk – in the digital domain.

In conclusion, our research adds a delightful "flavor" to the ongoing conversation surrounding GMOs and their impact. It invites further exploration into the interplay between agricultural innovations and the digital storytelling landscape. As we step back from this bean-filled, bean-spilling, soybean-jamming extravaganza, we're left with the lingering thought: are soybean GMOs the unsung maestros of YouTube's lengthy crowd show, orchestrating the harmonious rhythm of digital education without us even realizing it? The beans, it seems, have spilled the secrets of their digital dance.

6. Conclusion

In the whimsical waltz of GMO soybeans and Be Smart YouTube videos, our research has unearthed an intriguing correlation that not only tickles the intellect but also leaves us marveling at the unexpected alliances in the agricultural and digital realms. From the humble fields of soybean cultivation to the vast expanse of online educational content, GMOs seem to be casting a spell, beckoning the creators to embark on longer educational odysseys.

The statistical findings, with a correlation coefficient of 0.9190330 and an r-squared value of 0.8446217, paint a picture of soybeans whispering symphonies of elongated video lengths in the ears of content creators. It's as if the soybeans

have embarked on a clandestine mission to extend the digital edu-tainment narrative, proving that the impact of biotechnology extends beyond the fields and seeps into the digital landscape.

While this unexpected correlation might seem as improbable as a cow jumping over the moon, it beckons us to embrace the charming eccentricities of the interconnected web of science and technology. As we bid adieu to this unlikely pairing of GMOs and YouTube video lengths, we must acknowledge that sometimes the most fantastical connections offer us valuable insights, albeit with a dash of soybean-inspired humor.

For now, it seems that our quest into the enigmatic realm of soybean GMOs and Be Smart YouTube videos has reached its delightful conclusion. It is with great confidence and a sprinkle of whimsy that we assert: no more research is needed in this area. The beans have spoken, and it's time for us to relish in the delightful absurdity of this correlation.