



ELSERVER

Available online at [www.tylervigen.com](http://www.tylervigen.com)



# From Soybeans to Skinny Jeans: Examining the GMO-Hollister Connection

Catherine Hoffman, Aaron Thomas, Gemma P Tucker

Institute of Global Studies; Stanford, California

## KEYWORDS

GMO, soybeans, Nebraska, Hollister, correlation, USDA data, Statista, GMO impact, retail stores, agricultural and retail relationship

---

## Abstract

In this groundbreaking study, we have delved into the intriguing relationship between the use of genetically modified organisms (GMOs) in soybeans in Nebraska and the worldwide count of Hollister retail stores. Our research team took a kernel of curiosity and cultivated it into a robust analysis, utilizing data from the USDA and Statista to explore this seemingly unrelated pairing. To our surprise (and slight amusement), we uncovered a remarkably strong correlation between the two variables, with a correlation coefficient of 0.9183676 and a p-value less than 0.01 from the years 2000 to 2022. Our findings suggest that there may be more than just soybean crops sprouting in Nebraska – a fashionable connection between agriculture and retail has germinated before our eyes. As we further unpack this peculiar correlation, we invite readers to join us in unraveling the threads of this soybean-Hollister saga and to ponder the implications of our unexpected discovery. We hope this paper leaves you feeling as energized as a soybean in the sunshine!

Copyright 2024 Institute of Global Studies. No rights reserved.

---

## 1. Introduction

Welcome, dear readers, to this rollercoaster ride of an academic paper. Strap yourselves in and prepare to journey through the wacky world of GMOs, soybeans, and Hollister retail stores. Now, before you start rolling your eyes and thinking, "What on Earth

does genetically modified soybeans have to do with trendy teen clothing stores?", allow me to entice you with the juicy details of our unexpected findings.

As researchers, we often find ourselves knee-deep in data, wading through regression analyses and statistical tests, but

rarely do we stumble upon a correlation as quirky as the one we are about to unfold. Picture this: Nebraskan soybeans, standing tall and proud in their genetically modified glory, seemingly reaching out across the globe to influence the proliferation of Hollister stores. Unthinkable, right? Well, hold onto your lab coats, because that's exactly what our study has uncovered.

We must confess, when we embarked on this investigation, we initially anticipated spending our days buried in agricultural reports and retail trends – not connecting the dots between biotechnology and fashion. But as the data began to paint an unmistakable picture, we couldn't help but marvel at the correlation staring back at us, practically shouting, "We're soy-mates!"

So, why should anyone care about the link between soybeans and skinny jeans? Beyond the sheer entertainment value of such a peculiar connection, our findings have implications that stretch beyond the fields of Nebraska and the aisles of Hollister. If nothing else, our research challenges traditional boundaries and compels us to rethink the interconnectedness of seemingly unrelated facets of the modern world.

So, dear reader, fasten your seatbelt and get ready to romp through the fields of science and commerce as we unravel the mystery of the GMO-Hollister connection. It's going to be a bumpy, yet incredibly stylish, ride.

## 2. Literature Review

In "The Impact of GMO Adoption in Soybeans" by Smith et al., the authors find that the use of genetically modified organisms (GMOs) in soybean cultivation has led to improved yields, reduced pest damage, and enhanced weed control. The implications of GMO adoption in soybeans are far-reaching, revolutionizing agricultural

practices and bolstering the soybean industry. Meanwhile, in "Global Retail Trends" by Doe and Jones, the authors explore the dynamics of the retail landscape, highlighting the influence of consumer preferences, marketing strategies, and economic factors on retail store proliferation worldwide.

As we venture further into the literature, we come across "The Soy Revolution: A History of Soybeans" by John Doe, which provides a comprehensive account of the soybean's journey from a humble legume to a staple crop and a source of controversy. In a tangentially related vein, "Fashion Fads: From Bell-Bottoms to Skinny Jeans" by Jane Smith presents an engaging exploration of the ever-evolving world of fashion, tracing the trajectory of trends that have shaped the clothing industry.

Shifting gears slightly, it's worth noting that some wildly popular fiction works, such as "The Secret Life of Soybeans" by Anonymous and "The Hollister Saga: Denim and Destiny" by Imaginary Author, have incorporated elements that, while not strictly academic, capture the public imagination and provide insight into the cultural significance of soybeans and retail fashion.

In a nod to the digital age, let us not overlook the impact of internet memes, such as the "Soybean Surprise" and "Hollister Hysteria" memes, which have permeated popular culture and served as lighthearted commentary on the unexpected intersections of agriculture and retail.

Now that we have traversed the diverse literary landscapes, let us delve into the empirical and theoretical underpinnings that have paved the way for our own adventure into the world of GMO-driven soybeans and the proliferation of Hollister stores. This literature review sets the stage for our exploration of the peculiar connection between these seemingly unrelated domains, anchoring our analysis in a rich

tapestry of scholarly and unconventional sources.

### 3. Our approach & methods

To crack the case of the soybean-Hollister connection, our research team embarked on a journey that would make even Sherlock Holmes raise an eyebrow. We started by sifting through a treasure trove of data from the USDA and Statista, akin to panning for gold in a digital river – only the nuggets we sought were statistical nuggets, not the culinary kind.

Now, to unearth the truth behind this enigmatic relationship, we employed a concoction of statistical analyses that could rival the most potent potions brewed in a Hogwarts laboratory. Our methodology included a hearty dose of regression analysis, where we bravely dared to tease apart the threads of correlation between GMO soybean cultivation in Nebraska and the global spread of Hollister stores. We also seasoned our approach with a liberal sprinkling of time series analysis, allowing us to observe how this curious companionship has blossomed over the years, much like how a fine wine matures with age – but in this case, the vintage is soybean-chic retail dynamics.

Picture this: armed with our arsenal of statistical tools and a boundless sense of curiosity, we tangoed with numbers and wrangled data spreadsheets like cowboys lassoing stray cattle. We examined the cornucopia of soybean production figures, GMO adoption rates, and Hollister store counts, looking for any winks and nudges that could hint at their clandestine connection – a scholarly game of detective and muse, if you will.

To assess the strength and direction of the relationship between GMO soybeans and the proliferation of Hollister stores, we calculated Pearson's correlation coefficient

with a twinkle in our eyes, eager to see if these seemingly unrelated entities might just be secret soulmates. Armed with a trusty p-value of less than 0.01, we were ready to declare, "Eureka!" – or perhaps, "Eure-soy!"

The data we perused spanned the years 2000 to 2022, offering us a wide-angle view of how this angle weaved its way through history. We then donned our metaphorical lab coats and rolled up our sleeves (hopefully not over our jeans), ready to dance the tango of statistics and unveil the hidden courtship between soybeans and surfer-chic couture.

Now, dear reader, are you ready to dissect the convoluted yet captivating tale of GMO soybeans and their fashion-forward friends? If so, hold onto your hats and get ready to pirouette through the intricate steps of our whimsical methodology – a dance as graceful as a soybean swaying in the breeze. Let's waltz through this enchanting soybean-Hollister fable together!

### 4. Results

Intriguingly, our analysis uncovered a notable correlation between the use of genetically modified organisms (GMOs) in soybeans in Nebraska and the worldwide count of Hollister retail stores from the years 2000 to 2022. The correlation coefficient of 0.9183676 suggests a remarkably strong relationship between these seemingly disparate variables. It seems like those soybeans have been busy bees, influencing chic fashion choices across the globe!

Furthermore, our findings are reinforced by an r-squared value of 0.8433991, highlighting the robustness of the relationship between GMO soybeans and the proliferation of Hollister outlets. It's as if the soybeans are whispering fashion advice to the trendsetters at Hollister – "I'm all ears and soybeanstalks!"

The p-value of less than 0.01 adds another layer of statistical support to our discovery, indicating that the correlation we observed is highly unlikely to be a mere coincidence. The likelihood of this connection occurring by chance is lower than finding a needle in a haystack, or, in this case, a stylish Hollister top buried among a sea of bargain bins.



**Figure 1.** Scatterplot of the variables by year

To visually encapsulate this extraordinary correlation, we present Fig. 1, a scatterplot showcasing the strong relationship between the use of GMOs in soybeans in Nebraska and the global presence of Hollister retail stores. The striking alignment of data points in the scatterplot mirrors the surprising connection we have unveiled, serving as a visual testament to the interplay between agri-biotech and retail chic.

In summary, our findings not only defy conventional wisdom but also inject a whimsical twist into the often staid realm of research. As we move forward, it is crucial to consider the broader implications of this unexpected correlation and unravel the underlying mechanisms driving the GMO-Hollister connection. Who would have thought that soybeans and skinny jeans could be entwined in such a captivating narrative? We certainly didn't anticipate this stylish turn of events!

## 5. Discussion

Our study unveils an intriguing saga that transcends traditional boundaries, linking the world of agriculture to the realm of fashion with a thread of GMO soybeans. The observed correlation between the adoption of genetically modified organisms (GMOs) in soybean cultivation in Nebraska and the global count of Hollister retail stores is nothing short of a fabric marvel. We are left pondering whether these GMO soybeans possess a secret flair for fashion, or if the allure of Hollister is rooted in the very essence of genetically modified soy.

Our findings echo the sentiments expressed in "The Soy Revolution: A History of Soybeans" by John Doe, shedding light on the multifaceted influence of soybeans on global culture and commerce. The surprising connection we have unearthed harmonizes with the unconventional insights from popular fiction works, resonating with the public imagination and adding a layer of whimsy to our scholarly pursuit.

The robust correlation coefficient of 0.9183676 not only bolsters the empirical underpinnings of our discovery but also infuses our research with a dash of statistical allure. We can't help but marvel at the statistical prowess displayed by these soybeans – as if they've been crunching the numbers in between photosynthesis sessions. The r-squared value further fortifies the undeniable link between GMO soybeans and the proliferation of Hollister havens, effectively stitching together our soybean-Hollister narrative.

Our results not only raise eyebrows but also spark new inquiries into the underlying mechanisms driving this unexpected correlation. How do GMO soybeans whisper their sartorial secrets across continents, influencing the chic choices at Hollister? Could it be the soybeans' way of saying, "Stay soy-stylish, my friends!" These questions invite further exploration into the

intricate web of agri-biotech and retail dynamics.

As we tread the uncharted terrain of GMO soybeans and Hollister stores, we're reminded of the unpredictable journeys that research can take. Who would have thought that our statistical voyage would lead us to unearthing a connection as unexpected as this? It seems that in the world of research, even the most unforeseen correlations can sow the seeds of curiosity and spark a fashion-forward debate. The agricultural and fashion landscapes have intertwined in an unprecedented fashion, leaving us with a cornucopia of questions and an appetite for further exploration.

## 6. Conclusion

In conclusion, our study has unveiled a fashionably fascinating relationship between the use of GMOs in Nebraska soybeans and the global presence of Hollister stores. As researchers, we anticipated delving into the depths of agri-biotech statistics, not embarking on a sartorial adventure through the world of retail chic. The correlation coefficient of 0.9183676 has left us pondering whether these soybeans have secretly moonlighted as fashion consultants, whispering trendsetting advice to Hollister decision-makers.

Our findings challenge traditional boundaries and redefine "farming" to include cultivating not just crops but also an unexpected fashion flock. The robustness of the relationship, indicated by the r-squared value of 0.8433991, has us thinking that perhaps the next GMO soybean harvest might yield a bumper crop of skinny jeans and graphic tees.

Furthermore, the p-value of less than 0.01 suggests that this correlation is as rare as finding a stylish outfit at a yard sale – it's statistically significant and remarkably unlikely to be a mere coincidence. Who

would have thought that biotechnology and high-street fashion could be interconnected in such an alluring manner?

Alas, while we are tempted to delve deeper into this captivating correlation, we are confident that our findings have shed enough light on the GMO-Hollister connection. It's time to sow the seeds of knowledge in other fertile fields of research, leaving this GMO-Hollister saga to be savored by future crop of curious minds. As researchers, we bid adieu to this unexpected voyage through statistics and style, closing the curtain on the GMO-Hollister connection. No more research is needed in this area – we've already unraveled the soy-mates saga!