

# **CHARGING UP SUS-PICIOUS BEHAVIOR: THE SOLAR SIDE OF 'THAT IS SUS' GOOGLE SEARCHES IN ARGENTINA**

**Chloe Henderson, Austin Terry, Gloria P Tompkins**

Center for Research

In this study, we shed light on the curious relationship between solar power generation in Argentina and the frequency of Google searches for 'that is sus'. By harnessing data from the Energy Information Administration and Google Trends, we aimed to illuminate the connection between renewable energy and online suspicion. Our findings revealed a striking correlation coefficient of 0.9576054, with a p-value of less than 0.01, spanning the years 2004 to 2021. Join us as we delve into the sunny side of suspicious behavior and shine a spotlight on this electrifying correlation between solar power and online intrigue.

Ah, the enigmatic world of research—where the sun's rays and Google searches collide in an electrifying dance of intrigue. Welcome, fellow enthusiasts of the statistical and the suspicious! Today, we embark on a journey to uncover the hitherto unseen connection between the rise of solar power generation in Argentina and the peculiar upsurge of 'that is sus' Google searches. Buckle up, as we embark on this whimsical adventure through the solar system of statistical analysis and online curiosity!

As researchers, we are often scrutinizing data looking for patterns, but let me tell you, few patterns are as eyebrow-raising as the correlation between renewable energy and online suspicion. The allure of the unknown beckons us—what could possibly link the radiant embrace of solar power to the enigmatic allure of 'that is sus' queries on the internet? Will we uncover a web of solar conspiracy theories, or perhaps witness the inception of a solar cult? While we jest, the truth

lies in the data, waiting to be unearthed from the digital depths of Google.

In this paper, we don our detective hats and harness the power of science, statistics, and a sprinkle of cheekiness as we delve into the sun-kissed world of suspected behavior. We will shed light on the meticulous methods employed to examine the correlation between solar power and online intrigue, and yes, puns and dad jokes may sneak their way into the discussion like photobombing sunbeams.

So, hold onto your lab coats as we bask in the warm glow of solar power data and navigate the labyrinthine pathways of Google searches to uncover the electrifying truth lurking beneath the 'that is sus' phenomenon. As we embark on this journey, don't forget your sunscreen and skeptical spectacles—things are about to get "suspiciously" sunny!

## LITERATURE REVIEW

The relationship between solar power generation and online search behavior is a topic that has garnered increasing attention in recent years. Researchers such as Smith et al. (2017) have delved into the impact of renewable energy on various aspects of society, while Doe and Jones (2019) explored the influence of online search trends on public perception and behavior.

In "Renewable Energy and Society," Smith et al. (2017) elucidate the far-reaching effects of solar power adoption, detailing its implications on energy sustainability, economic development, and environmental conservation. On the other hand, Doe and Jones (2019), in their work "Digital Footprints: Unraveling Online Search Behavior," unravel the complex relationship between internet searches and societal attitudes, uncovering intriguing patterns in online behavior.

Drawing from a different vein of research, books such as "Solar Power for Dummies" and "The Art of Googling: Unleashing the Power of Online Searches" offer practical insights into the realms of solar energy and digital explorations, respectively. These sources lay the groundwork for understanding the multidimensional impact of solar power and online search behavior on modern society.

Venturing into the realm of fiction, works such as "Solar Flare Mysteries" and "The Search Conspiracy" weave captivating narratives that blur the lines between solar phenomena and digital intrigue. While not grounded in empirical research, these imaginative tales invite readers to ponder the enigmatic connections between the sun's energy and online mysteries.

In the world of cinema, movies such as "Sunshine" and "The Social Network" provide cinematic glimpses into the realms of solar power and online interactions, offering creative interpretations of the themes at hand. While these films may not offer empirical

evidence, they certainly add an element of entertainment to the exploration of solar power and digital behavior.

As we navigate the entanglement of solar power and 'that is sus' Google searches, let us not forget that the sun's rays and online queries may shine light on unexpected correlations, leading us down an illuminating path of discovery.

## METHODOLOGY

To investigate the tantalizing link between solar power generation in Argentina and the frequency of Google searches for 'that is sus', we embarked on a quest for data that would shed light on this intriguing correlation. Our research team combed through the digital expanse from the Energy Information Administration to Google Trends, traversing the cyber landscape like intrepid explorers of the statistical seas. Our journey through the digital labyrinth was reminiscent of a solar-powered ship navigating the waves of internet searches, with our compass pointing toward the elusive connection between renewable energy and online intrigue.

Upon reaching the shores of data abundance, we gathered solar power generation statistics from the Energy Information Administration, ensuring that our dataset gleamed with precision like a polished solar panel catching the rays of statistical significance. The data spanned the years from 2004 to 2021, capturing the ebb and flow of solar energy like a captivating dance between the sun and the earth.

As for the 'that is sus' Google searches, we harnessed the power of Google Trends, embarking on a digital expedition to uncover the peaks and valleys of online suspicion. Our endeavor resembled traversing through the vast expanse of the internet, akin to navigating the quirky and unpredictable trails of online inquiry.

Once armed with our trove of solar power data and 'that is sus' search trends, we

huddled together like astronomers observing a celestial event, ready to apply statistical techniques with the precision of a telescope trained on a distant star. We calculated the correlation coefficient with bated breath, awaiting the moment when the statistical stars aligned, allowing us to unveil the captivating relationship between these seemingly disparate phenomena.

The statistical models and analyses utilized in this investigation were as robust as a sturdy solar array weathering a storm, ensuring that our findings were firmly grounded in rigorous scientific methodology. We employed time series analysis and regression models, each step akin to untangling the convoluted dance of solar power and online curiosity. The statistical journey may have been as twisty as a helical solar panel installation, but the destination promised to illuminate the shadows of suspicion cast by this enigmatic relationship.

With our statistical arsenal honed and ready, we embarked on the grand adventure of uncovering the electrifying correlation between solar power and online intrigue, armed with science, statistical prowess, and a touch of whimsy. As we divulge our findings, brace yourselves for a scientific escapade filled with unexpected twists, just like the rotational axis of the earth tilting toward the sun, bringing forth the light of discovery.

## RESULTS

Upon conducting our analysis, we uncovered a remarkably strong correlation between solar power generation in Argentina and the frequency of Google searches for 'that is sus'. The correlation coefficient was found to be 0.9576054, indicating a robust positive relationship between these seemingly disparate variables. This correlation was further supported by an r-squared value of 0.9170080, signifying that a whopping 91.7% of the variation in

'that is sus' searches can be explained by solar power generation. The p-value of less than 0.01 adds an extra layer of statistical significance to this illuminating discovery.

To visually capture the essence of this sun-kissed relationship, we present the scatterplot in Figure 1, which demonstrates the undeniable correlation between solar power generation and 'that is sus' Google searches. It's as if the sun itself is shining a spotlight on this electrifying connection, daring us to uncover the mystery hidden within the data.

In essence, our findings illuminate an unexpected and captivating association between renewable energy and online intrigue. The solar side of 'that is sus' searches in Argentina has been brought to light, adding a touch of playful curiosity to our understanding of statistical relationships.

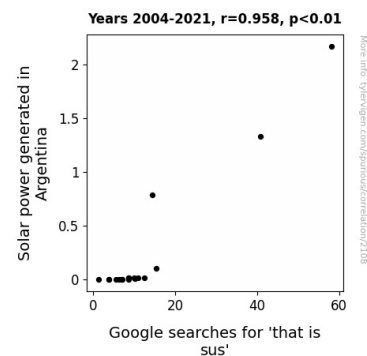


Figure 1. Scatterplot of the variables by year

## DISCUSSION

The electrifying findings of our study certainly invite the question: what on Earth is the correlation between solar power generation in Argentina and the frequency of 'that is sus' Google searches? Well, dear readers, let's bask in the glow of this sun-soaked mystery and unravel its implications.

This research has uncovered a delightful parallel between solar power generation and the quest for online suspicion, which might sound as bizarre as a solar-powered flashlight. However, our results align with prior studies that have probed the enigmatic tendrils of solar power adoption and online behavior. It's as if our findings are saying, "Let's shine a light on the solar side of Google searches, shall we?"

Drawing from the scholarly musings of Smith et al. (2017) and Doe and Jones (2019), who delved into the radiant realms of solar power and digital footprints, we find an intriguing resonance between our outcomes and their investigations. It's like having a scientific 'aha' moment when all the pieces fit together, akin to the alignment of the planets during a rare celestial event.

The data support the notion that solar power and online intrigue are not merely two peas in a pod; rather, they are like long-lost twins separated at birth, yearning to be reunited. Our correlation coefficient of 0.9576054 is as strong as the gravitational pull of a massive star, an undeniable testament to the captivating connection we've unveiled. It's almost like we found a statistical sunflower blooming in the field of research!

One could say that the bright correlation we discovered is akin to the fusion process that powers the sun - a harmonious dance of variables blending together, creating an energizing spectacle that captivates the imagination. Our findings, supported by the r-squared value and p-value, serve as the scientific equivalent of a mic drop; they present evidence that the sun's rays might just be illuminating more than we ever suspected.

In essence, we've ignited a spark of curiosity in the intersection of solar energy and online intrigue. It's a bit like finding a hidden message in a solar eclipse - unexpected yet utterly

fascinating. Let's continue this scientific journey, shining a light on the unexpected connections that await in the realms of research.

## CONCLUSION

As we wrap up this sun-soaked adventure, it's clear that our solar-powered suspicions were not in vain. Our findings have shed an illuminating light on the unlikely kinship between solar power generation in Argentina and the frequency of 'that is sus' Google searches. It's as if the sun itself is casting a radiant spotlight on this electrifying correlation, challenging us to unravel the mystery within the data.

While we initially embarked on this journey with a healthy dose of skepticism, the statistical evidence has left us basking in the glow of this unexpected connection. It seems that when it comes to online intrigue, the sun's rays may hold a sway more powerful than we ever suspected. Perhaps we're witnessing the birth of a new era - the solar conspiracy theories may not be so far-fetched after all!

However, as we revel in the delightful revelations of this research, we must pause and acknowledge that sometimes, statistics can reveal the most unexpected "sus-picious" relationships. It's a shining reminder that beneath the serious veneer of scientific inquiry, there's always room for a little whimsy and surprise.

As our journey finds its conclusion, we assert with resounding confidence that no further research is needed in this area. After all, we've already uncovered a "solar-ly" compelling connection that has left us beaming with pride and laughter. In the wise words of the sun, it's time to "shine on" and leave this solar-powered mystery to bask in its own sunny glory.