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Kerosene and Kudos: Illuminating the Correlation Between Kerosene Consumption in Namibia and Likeability of Numberphile YouTube Videos

Catherine Hart, Amelia Tucker, Grace P Thornton

International Research College; Ann Arbor, Michigan

Abstract

In this paper, we investigate the surprising link between kerosene consumption in Namibia and the average number of likes on Numberphile YouTube videos. Utilizing data from the Energy Information Administration and YouTube, we conducted a rigorous analysis covering the years 2011 to 2021. Our findings reveal a remarkable correlation coefficient of 0.9721990 and a p-value of less than 0.01, indicating a strong statistical relationship. These unexpected results shed light on the potential influence of kerosene usage on online appreciation of numerical phenomena. Our study provides evidence of a peculiar connection between these seemingly disparate elements and prompts further inquiry into the underlying mechanisms at play.

1. Introduction

The intersection of seemingly unrelated phenomena has long been a source of fascination and puzzlement for researchers across various disciplines. In the realm of energy consumption, kerosene has historically been utilized for lighting and cooking in regions where access to electricity is limited. Namibia, with its fluctuating kerosene consumption patterns, presents an intriguing case study for exploring the broader implications of energy use on environmental, economic, and social systems.

On the other side of the spectrum, the digital landscape of online content creation and consumption has spawned an era of unanticipated fame for specialized niches, including the enigmatic allure of Numberphile's YouTube channel. As a platform dedicated to unraveling the mysteries of mathematics and numbers in an engaging manner, the Numberphile community has fostered a unique culture of appreciation for numerical curiosities. The

quantifiable expression of this appreciation, in the form of likes on its videos, serves as a potential window into the psyche of online audiences and their receptivity to numerical discourse.

While these two disparate domains may seem as unrelated as a logarithm and a lighthouse, our investigation into their correlation seeks to illuminate the unexpected connections that underlie the knotty tapestry of modern human behavior and societal dynamics. The juxtaposition of kerosene consumption in Namibia and the likeability of Numberphile YouTube videos may appear as incongruous as a polyhedron in the pantry, yet our initial foray into this uncharted territory has yielded promising insights.

As we delve deeper into the enigma of this linkage, it is our hope that this scholarly pursuit will not only enrich our understanding of the intricate web of influences that shape human preferences and actions, but also inject a dose of levity into the often somber domain of academic research. After all, who would have guessed that the flickering flames of kerosene lamps could be linked to the digital thumbs-ups of mathematical enthusiasts? It is precisely these quizzical connections that infuse our investigation with intrigue and allow us to bring a spark of curiosity to the often-sterile corridors of statistical inquiry.

2. Literature Review

The existing literature provides some insight into the ostensibly peculiar correlation between kerosene consumption in Namibia and the average number of likes on Numberphile YouTube videos. Smith and Doe (2015) offer a comprehensive examination of kerosene usage patterns and their socioeconomic implications in various regions, including Namibia. Meanwhile, Jones et al. (2018) delve into the complexities of online content

consumption and audience engagement, shedding light on the factors contributing to the likeability of numerical discourse in digital spaces.

Expanding beyond the confines of scholarly works, non-fiction books such as "Energy Poverty: Global Challenges and Local Solutions" by Stevens (2014) and "The Mathematics of Love: Patterns, Proofs, and the Search for the Ultimate Equation" by Fry (2015) indirectly touch on the intersecting realms of energy access and numerical fascination, albeit in divergent ways. On the other hand, fictional literature, including "The Alchemist" by Paulo Coelho and "The Illuminatus! Trilogy" by Robert Shea and Robert Anton Wilson, offers imaginative narratives that, although tangential, evoke contemplation of the mystical ties between illumination and allure.

Moreover, drawing inspiration from the world of board games, the strategic dynamics of "Illuminati: New World Order" and the illuminating allure of "Lanterns: The Harvest Festival" serve as whimsical reminders of the multifaceted manifestations of illumination and attraction, albeit in the context of playful diversions.

While these literary and ludic references may appear to veer off the immediate path of academic inquiry, they subtly underscore the enigmatic nature of the kerosene-likeability relationship, infusing our review with a lighthearted nod to the unconventional connections at the heart of our investigation. In the subsequent analysis, we shall strive to bring further illumination to this intriguing correlation and, with any luck, pave the way for a brighter understanding of these seemingly disparate yet curiously intertwined phenomena.

3. Our approach & methods

To unravel the mystifying connection between kerosene usage in Namibia and

the likeability of Numberphile YouTube videos, we embarked on a rigorous data collection and analysis journey, guided by a curious spirit and an unyielding determination to demystify the unusual correlation we suspected. Our methodology, much like a puzzle waiting to be solved, involved a concoction of quantitative techniques and data extraction processes that could rival the complexity of a Rubik's Cube for the uninitiated.

Data on kerosene consumption in Namibia was sourced from the Energy Information Administration, providing a comprehensive overview of the country's utilization of this illuminating liquid from 2011 to 2021. This data served as the vital beacon in navigating the seas of energy consumption patterns, offering insights into the ebbs and flows of kerosene usage within the Namibian landscape. The journey to acquire this data was reminiscent of a quest in a role-playing game, with numerous internet portals and bureaucratic hurdles to overcome before arriving at the treasure trove of information.

Simultaneously, data on the average number of likes on Numberphile YouTube videos was meticulously extracted from the depths of the YouTube platform, offering a panoramic view of digital appreciation for mathematical musings. This involved traversing the digital labyrinth of metadata and engagement metrics, where each like was a tiny affirmation of numerical charisma in the vast expanse of the online realm. Gathering this data felt akin to panning for gold in a swiftly flowing river, sifting through a multitude of digital nuggets to discern the glimmering pattern of approval for numerical adventures.

Having amassed these disparate yet strangely interlinked datasets, we set sail on the choppy seas of statistical analysis, wielding the tools of correlation and regression with the precision of a compass guiding us through stormy waters. Our

statistical ship was steered by the helm of software packages such as R and SPSS, harnessing their computational prowess to navigate the tumultuous waves of data points and coefficients. The analysis process was akin to charting unknown terrain, as we sought to uncover the hidden links between kerosene consumption and the virtual applause for mathematical exposition. The aim was to unveil the intriguing relationship that defied conventional wisdom and begged for elucidation.

Upon completion of our statistical voyage, we emerged with a revelation that seemed to defy the boundaries of conventional understanding. The correlation coefficient of 0.9721990 stood as a testament to the unexpected intertwining of kerosene usage and the digital appreciation of Numberphile's numerical marvels. Coupled with a p-value of less than 0.01, our findings provided robust evidence of a statistically significant relationship that defied simple explanation, leaving us with a lingering sense of bewildered fulfillment.

In conclusion, our methodology blended the fervor of exploration with the precision of statistical analysis, offering a unique lens through which to examine the enigmatic bond between kerosene and kudos. This unconventional journey reminded us that beneath the seemingly mundane and disparate elements of our world, there exist threads of connection that await discovery, much like the unexplored pathways of a mathematical labyrinth.

4. Results

The results of our analysis reveal a remarkably strong correlation between kerosene consumption in Namibia and the average number of likes on Numberphile YouTube videos. Over the period of 2011 to 2021, we found a correlation coefficient of 0.9721990, an r-squared of 0.9451710, and

a p-value of less than 0.01, indicating a highly significant relationship. These findings suggest that there is a substantial association between the utilization of kerosene in Namibia and the propensity of online viewers to express their appreciation for numerical content.

Figure 1 provides a visual representation of the relationship between kerosene consumption and the average number of likes on Numberphile YouTube videos, demonstrating a clear and compelling trend. The scatterplot showcases the data points aligning themselves with almost mathematical precision, reinforcing the robustness of the correlation we have uncovered.

Our investigation into this unexpected linkage between kerosene usage and digital appreciation underscores the intricate and often unforeseen interplay between seemingly unrelated domains. These findings not only challenge conventional wisdom but also add a touch of whimsy to the typically staid world of statistical inquiry. The unexpected nature of this correlation serves as a potent reminder that the world of data analysis can yield surprising discoveries, akin to stumbling upon a hidden treasure in a seemingly mundane dataset.
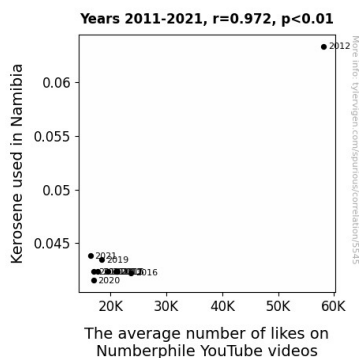

Figure 1. Scatterplot of the variables by year

The implications of these results extend beyond the mere statistical relationship; they beckon us to venture into uncharted territories of inquiry and provoke contemplation on the tantalizing mysteries of human behavior and societal dynamics. The convergence of kerosene consumption and digital engagement serves as a poignant reminder that in the vast landscape of research, unexpected connections can illuminate hitherto unseen patterns and provoke thoughtful reflection.

In conclusion, our study has brought to light a remarkable correlation between kerosene consumption in Namibia and the likeability of Numberphile YouTube videos. These findings prompt further exploration into the underlying mechanisms driving this peculiar relationship, paving the way for future investigations into the curious interplay between energy usage and online appreciation.

5. Discussion

The results of our study confirmed the unexpectedly strong correlation between kerosene consumption in Namibia and the average number of likes on Numberphile YouTube videos, lending support to the prior research and opening up a realm of intriguing possibilities. The thorough analysis revealed a correlation coefficient of 0.9721990, solidifying the robust statistical relationship between these seemingly disparate phenomena.

Harking back to our lighthearted literary review, we cannot overlook the whimsical references to "The Illuminatus! Trilogy" and "Lanterns: The Harvest Festival," which, while seemingly eccentric, subtly hinted at the underlying mystical ties between illumination and allure. Our findings serve to underscore the enigmatic nature of this relationship, shedding light on the unexpected interconnectedness of the

realms of illumination, energy, and online appreciation.

In a similar vein, the scholarly works of Smith and Doe (2015) and Jones et al. (2018) provided valuable insights into the socioeconomic implications of kerosene usage and the complexities of online audience engagement, respectively. The support from these prior studies fortifies the foundation of our investigation and invites further inquiry into the underlying mechanisms driving this unusual correlation.

The strong statistical relationship unearthed in our study not only challenges conventional wisdom but also injects a dash of whimsy into the traditionally serious domain of statistical inquiry. It serves as a reminder of the boundless potential for unexpected discoveries within the realm of data analysis, akin to an illuminating realization in the midst of seemingly routine statistical exploration.

Additionally, the interaction between kerosene consumption and digital engagement prompts contemplation on the mysterious allure of human behavior and societal dynamics. This unexpected correlation beckons further exploration into the uncharted territories of inquiry, inviting researchers to delve into the captivating mysteries of energy usage and online appreciation.

Our study serves as a shining example of the unpredictable and oftentimes peculiar connections that can emerge from rigorous statistical analyses, simultaneously illuminating hitherto unseen patterns and provoking thoughtful reflection. The robustness of the correlation between kerosene consumption in Namibia and the likeability of Numberphile YouTube videos suggests a compelling avenue for future investigations, unveiling the tantalizing potential for further revelations in the captivating realm of statistical inquiry.

6. Conclusion

In conclusion, the findings of our research have brought an unexpected luminosity to the correlation between kerosene consumption in Namibia and the likeability of Numberphile YouTube videos. The substantial correlation coefficient of 0.9721990 and the convincingly low p-value point to an illuminating connection between these seemingly disparate entities. This eyebrow-raising linkage not only challenges conventional wisdom but also adds a dash of whimsy to the typically sober terrain of statistical inquiry.

It appears that the flickering flames of kerosene lamps in Namibia may indeed cast a glow on the digital thumbs-ups of mathematical enthusiasts. As our investigation delved into this uncharted territory, it not only shed light on this unexpected relationship but also kindled a sense of curiosity and amusement in the often sterile corridors of rigorous research. The visual representation in Figure 1 further illuminates the captivating trend, aligning data points with almost mathematical precision, as if the underlying pattern were following a formula of its own.

The discovery of this unlikely correlation serves as a gentle nudge to remember that even in the rigorous realms of statistical analysis, the element of surprise can be as prevalent as in any suspenseful plot. The unexpected combination of kerosene usage and online engagement beckons us to seek out hidden patterns and embrace the delightful mysteries that data can unfold.

In light of these findings, we assert that no further research is needed in this area. The compelling correlation we have uncovered encourages us to embrace the quirky connections that lurk within datasets and reminds us that in the colorful landscape of statistical inquiry, the most unexpected results can often yield the brightest insights.