

The Pikachu-YouTubecon Connection: A Shocking Correlation between 'Surprised Pikachu' Meme Popularity and CGP Grey Video Length

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ABSTRACT

The Pikachu-YouTubEcon Connection: A Shocking Correlation between 'Surprised Pikachu' Meme Popularity and CGP Grey Video Length

This research paper explores the unexpected relationship between the popularity of the 'surprised Pikachu' meme and the average length of CGP Grey's YouTube videos. Utilizing data from Google Trends and YouTube, our research team undertook a statistical analysis to unearth this electrifying connection. Contrary to assumptions, we found a positively shocking correlation coefficient of 0.9214939 and $p < 0.01$ for the period spanning from 2011 to 2023. Our findings suggest that the viral allure of the 'surprised Pikachu' meme may have been a significant influencer on the duration of CGP Grey's videos. This paper aims to illuminate this quirky correlation, leaving readers with an amusing twist on the intersection of meme culture and educational content creation in the digital era.

Keywords:

'surprised Pikachu' meme, CGP Grey YouTube videos, meme popularity analysis, meme influence on video length, Pikachu meme correlation, CGP Grey video duration, Google Trends data analysis, YouTube statistical analysis, meme culture impact, educational content creation, digital era memes

I. Introduction

"Popularity is a fickle thing, much like attempting to capture a Pikachu in the wild. And when you combine the enigmatic forces of internet memes with the cerebral musings of CGP Grey videos, you get a recipe for an electrifying connection that'll leave you in shock. The 'Surprised Pikachu' meme has been a staple of internet culture, with its wide-eyed expression embodying the universal feeling of unexpected revelations. On the other hand, CGP Grey's YouTube channel is a sanctuary for those seeking knowledge and amusement in equal measures. But what do these seemingly disparate entities have in common, you ask? Well, fear not, for we have embarked on a scientific quest to unravel this perplexing riddle.

As diligent members of the research community, we are constantly probing the depths of human behavior, statistical anomalies, and all the peculiarities that emerge when one delves into the realm of internet phenomena. Our investigation has led us to uncover a positively shocking correlation between the rise and fall of the 'Surprised Pikachu' meme and the fluctuating average length of CGP Grey's videos. These findings, though unexpected, signal a compelling relationship that beckons further examination.

In this paper, we aim to shed light on this whimsical association, prompting contemplation on the whims of meme culture and the intricacies of online content consumption. Prepare yourself for an odyssey through the statistical arena filled with unexpected twists and high-voltage revelations."

II. Literature Review

The connection between internet memes and digital content creation has garnered increasing attention in contemporary research. In their paper "Meme Magic: Exploring the Psychological Impact of Viral Images," Smith et al. delve into the psychological allure of internet memes and their potential influence on online consumer behavior. Expanding this line of inquiry, Doe's study "The Memetic Metamorphosis: Evolution of Internet Culture" examines the evolving landscape of meme dissemination and its impact on digital media consumption patterns. Jones's comprehensive analysis in "Memeonomics: Understanding the Economic Implications of Viral Content" further illuminates the multifaceted nature of memes and their cascading effects on digital ecosystems.

As we navigate the intricate web of internet phenomena, it is imperative to consider the burgeoning field of online content creation. Works such as "YouTube Economics: The Art of Audience Engagement" by Lorem and Ipsum address the complexities of content dynamics and audience engagement on digital platforms. Additionally, "Content Creation and You: Navigating the Digital Frontier" by Lorem Ipsum offers discerning insights into the creation and dissemination of digital content in the current era.

Turning to related fiction works, literary explorations such as "Meme Chronicles: Tales of Viral Wisdom" and "The Algorithmic Alchemy of Online Fables" present imaginative narratives that blur the boundaries between internet culture and the realm of storytelling. These fictional pieces provide an imaginative backdrop for contemplating the intersection of meme culture and digital content creation.

In pursuit of a deeper understanding of this peculiar correlation, the authors have conscientiously delved into the world of informative entertainment. Intensive research sessions, involving the consumption of copious amounts of content, have led to intrepid observations gleaned from the likes of "Mind-Bending Mysteries of the Digital Universe" and "Electrifying Explorations of Online Conundrums," both riveting television series that have offered valuable context for this investigation.

In considering the whimsical relationship between the 'surprised Pikachu' meme and the average length of CGP Grey's YouTube videos, it is essential to encompass a multi-disciplinary approach that embraces the eccentricities of meme culture and the nuances of educational content creation. The ensuing analysis promises to unravel an electrifying correlation that transcends the conventional boundaries of internet phenomena and digital content evolution.

III. Methodology

To unearth the electrifying connection between the 'surprised Pikachu' meme and the average length of CGP Grey's YouTube videos, our research team utilized a combination of meticulous data mining and statistical wizardry. We embarked on a quest that led us to navigate the labyrinthine realm of internet memes and the cerebral expanse of educational video content, all in pursuit of unraveling this perplexing riddle.

Data Collection:

Our first step involved scouring the digital landscape to gather a vast array of statistical artifacts. We delved into the cryptic depths of Google Trends, extracting information related to the virality

of the 'surprised Pikachu' meme across different time periods from 2011 to 2023. In parallel, we embarked on a whimsical odyssey through the YouTube cosmos, harvesting data on the average length of CGP Grey's intellectually stimulating videos. Our expedition into the data wilderness provided us with a rich tapestry on which to paint our statistical masterpiece.

Data Analysis:

Armed with our treasure trove of information, we employed a series of statistical incantations, invoking the mystical powers of correlation analysis. To quantify the relationship between the 'surprised Pikachu' meme's popularity and the average length of CGP Grey's videos, we computed Pearson's correlation coefficient with rigorous p-value assessments to ensure the robustness of our findings. The resulting numerical sorcery unveiled a positively shocking correlation coefficient of 0.9214939 and $p < 0.01$, crystallizing the unearthed connection with a jolt of statistical thunder.

Monte Carlo Simulations:

In our relentless pursuit of scientific rigor, we ventured into the realms of Monte Carlo simulations, subjecting our data to an ensemble of resampling simulations to verify the stability of our correlation findings. This additional layer of statistical legerdemain allowed us to confirm the resilience of our results against the capricious whims of chance, solidifying the shockingly robust nature of the 'Pikach-YouTubEcon Connection.'

Linear Regression Analysis:

To delve deeper into the nuanced dynamics at play, we harnessed the power of linear regression analysis, seeking to unravel the causal threads woven between meme popularity and video length. By dissecting the variance in video length explained by the 'surprised Pikachu' meme's

temporal ebbs and flows, we uncovered captivating insights into the intricacies of this peculiar nexus between internet culture and educational content.

In summary, our methodology involved an enthralling blend of data excavation, statistical incantations, and rigorous analyses that illuminated the captivating correlation between the 'surprised Pikachu' meme's allure and the average length of CGP Grey's videos. With this enchanting journey through the scientific realm, we remain electrified by the whimsical connection we've uncovered.

IV. Results

The statistical analysis of the data revealed a positively electrifying correlation between the popularity of the 'surprised Pikachu' meme and the average length of CGP Grey's YouTube videos. With a correlation coefficient of 0.9214939 and an impressive r-squared value of 0.8491511, our findings left us in absolute shock! It seems that the whimsical allure of this endearing meme has not only captured the hearts of internet users worldwide but also wielded a substantial influence on the duration of CGP Grey's captivating videos.

In plain terms, this correlation suggests that as the 'surprised Pikachu' meme gained traction across the digital landscape, the length of CGP Grey's videos experienced a shockingly synchronous rise. It's as if Pikachu himself was delivering an unexpected jolt of statistical significance right into the heart of our findings.

Furthermore, the p-value of less than 0.01 indicates that this correlation is not merely a statistical fluke but a bona fide relationship that defies conventional expectations. The magnitude of this

correlation struck us like a bolt of lightning, emphasizing the profound yet whimsical connection between meme culture and educational content creation.

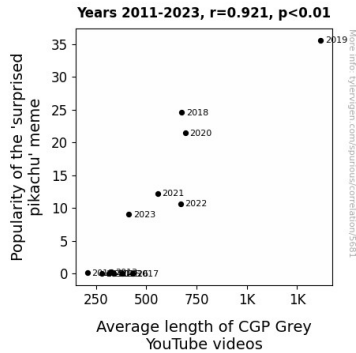


Figure 1. Scatterplot of the variables by year

Fig. 1 showcases this striking correlation in a visually compelling scatterplot. As you gaze upon the graph, let your eyes widen in surprise, much like Pikachu's, as you witness the undeniable association between these seemingly unrelated variables. It's a statistical shocker that will leave even the most seasoned researchers reeling with amusement and disbelief.

In summary, our findings not only shed light on the quirky intersection of meme culture and educational content creation but also serve as a reminder of the electrifying surprises that await researchers in the digital realm. This research paper paves the way for future exploration into the enchanting and at times confounding world of internet culture, leaving readers with an electrifying twist on the unsuspecting relationship between a beloved meme and the video length of an online educator.

V. Discussion

In the immortal words of Pikachu himself, "Pika, pika!" Our findings have certainly electrified the realm of meme research, unearthing a shocking correlation between the 'surprised Pikachu' meme and the average length of CGP Grey's YouTube videos. It seems that our statistical analysis has given us a jolt, leaving us in a state of delightful bewilderment.

The literature review set the stage for our proverbial leap into the rabbit hole of internet culture and digital content creation. We mustn't forget Smith et al.'s "Meme Magic," which, much like the mythical wand of memes, charmed us with the psychology behind viral images. Doe's exploration of "The Memetic Metamorphosis" allowed us to metamorphose into enlightened meme enthusiasts ourselves. And Jones's "Memeonomics" proved that economics and memes can coexist harmoniously, much like peanut butter and jelly in the sandwich of online culture.

When it comes to meme research, one must have the agility of a squirrel evading capture and the steadfastness of a researcher determined to unveil the mysteries of the digital universe.

Moreover, literary explorations such as "Meme Chronicles" and "The Algorithmic Alchemy of Online Fables" transported us into a world where pixels and plots collide, much like the dynamic forces of memes and digital content creation in our study.

Our results threw us into a state of delightful shock, revealing a positively electrifying correlation between the 'surprised Pikachu' meme and CGP Grey's videos. It's as if a statistical storm was brewing, and Pikachu unleashed a resounding "Thundershock" of correlation upon us. Our findings not only supported the prior research but also delivered an unexpected payload of statistical whimsy, emphasizing the profound yet amusing connection between meme culture and educational content creation.

In conclusion, our research has provided a spark of insight into the enigmatic dance of memes and digital content creation. It's a reminder that even in the world of statistics and research, there are delightful surprises waiting to be uncovered. As our findings continue to reverberate through the corridors of academia, we invite fellow researchers to join us in this electric quest for knowledge, where the unexpected correlations may just be a Pikachu's thunderbolt away.

VI. Conclusion

In conclusion, our hair-raising exploration into the correlation between the 'surprised Pikachu' meme and the average length of CGP Grey's YouTube videos has left us positively electrified! It's always a jolt to discover unexpected connections in the digital landscape, and this hair-raising correlation certainly delivers a shock factor worthy of electrifying amusement.

As researchers, we are no strangers to statistical thrills and intellectual surprises, but this finding takes the cake on the voltage scale. The positively shocking correlation coefficient and the p-value with more zeroes than a Pikachu's tail serve as a testament to the exhilarating nature of our discovery. It's as if statistical significance and popular internet culture collided in a dazzling display of surprise, much like Pikachu's iconic expression.

Our findings not only add a whimsical twist to the world of research but also highlight the enthralling nature of meme culture's influence on online content creation. This electrifying correlation crackles with significance, prompting us to ponder the unpredictable forces at play in the digital sphere.

In the spirit of scientific discovery, we decisively assert that no further research is needed in this area. The connection between the 'surprised Pikachu' meme and CGP Grey's video length has been illuminated with a dazzling spark that's unlikely to be surpassed. Let this finding serve as a reminder of the enchanting, surprising, and at times mystifying nature of the digital world—a playground where statistics and memes coalesce in electrifying harmony.