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Illinois Sound Engineers and Computerphile Likes: A Rhyme to Measure Time?

Colton Horton, Austin Thompson, George P Tyler

Advanced Engineering Institute; Madison, Wisconsin

Abstract

Our study sought to address the seemingly unrelated realms of sound engineering technician employment in Illinois and the average number of likes on Computerphile YouTube videos. Leveraging data from the Bureau of Labor Statistics and YouTube, we endeavored to uncover any potential correlation between the two peculiar variables. To our amusement, we discovered a surprisingly high correlation coefficient of 0.9440237 with a p-value of less than 0.01 over the period from 2013 to 2022. Our findings, though unexpected, suggest that the technicians wielding knobs and sliders in Illinois may indeed have a discernible impact on the digital appreciation of Computerphile's content. While causation remains elusive, the resounding synchrony between these seemingly disparate factors serves as a symphonic reminder to approach data analysis with an open mind and a keen sense of humor.

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1. Introduction

The world of research can often be a serious and somber place, with scholars delving into deep and complex topics with furrowed brows and furiously scribbling notes. However, in the spirit of audacious academic inquiry, we've dared to take a lighthearted leap into the unexplored territory that lies at the crossroads of sound engineering technicians in the Land of Lincoln and YouTube thumbs-up wonders. Who would have thought that these seemingly incongruous elements could be connected by a web of statistical sorcery?

As we embark on this whimsical journey through the annals of data, where decibels meet digital dexterity, we must acknowledge the sheer novelty and, some might argue, absurdity of our chosen variables. Illinois, famous for its deep-dish pizza and the windy city, does not immediately summon forth thoughts of sound engineering prowess, nor is it typically associated with the digital delights of Computerphile's YouTube channel. Yet, as the saying goes, "stranger things have happened," and we've dared to venture into this uncharted territory armed with statistical tools and a healthy dose of skepticism.

Now, before we dive into the nitty-gritty of our findings, it behooves us to acknowledge the raised eyebrows and quizzical looks that have greeted our unconventional choice of variables. Sound engineering technicians in Illinois are not exactly the talk of the town, and Computerphile, while a darling of the digital denizens, hardly seems to overlap with the world of labor statistics. However, as maverick researchers, we relish in defying conventions and blazing new trails, no matter how offbeat they may seem at first glance.

So, dear reader, prepare to be regaled with the tale of two seemingly disparate domains —where the soft hum of audio equipment meets the thunderous applause of digital clicks, and where correlations dance in the most unexpected of places. It's a tale of statistical synchrony and perhaps a dash of serendipity, all woven together with the thread of levity that we hope will infuse this academic endeavor with a touch of whimsy. After all, who said research can't be a bit of fun? So, buckle up and brace yourself for a wild ride through the peculiar world of Illinois sound engineers and YouTube likes!

2. Literature Review

The notion of sound engineering technicians in Illinois and the average number of likes on Computerphile YouTube videos may at first appear to be odd bedfellows, like the fusion of pineapple on pizza or the incongruent pairing of socks. However, as we delved into the world of scholarly inquiry, we encountered a delightful smorgasbord of literature that ranged from the solemn to the downright wacky.

In "Acoustics: An Introduction to Its Physical Principles and Applications" by Allan D. Pierce, the authors illuminate the intricate art of sound engineering, delving into the

physics of waves and vibrations that would make even the most stoic reader's heart skip a beat. Yet, it was amidst this scholarly reverberation that we stumbled upon a peculiar observation - the potential link meticulously between the calibrated soundscapes crafted by technicians and the symphonies digital that trigger the ubiquitous thumbs-up icon on YouTube.

Venturing further into the realm of labor statistics, the work of John W. Cornwall and his tome "Introduction to Labor Economics" beckoned us into the world of employment trends and workforce dynamics. Little did we anticipate that our pursuit of knowledge would lead us to the curious intersection between labor markets and the realm of cyberspace appreciation.

But let us not dwell solely in the serious annals of scholarly tomes. In the spirit of levity and unbounded exploration, we also stumbled upon the curious musings of Douglas Adams in his seminal work "The Hitchhiker's Guide to the Galaxy." As we allowed ourselves a brief interlude of literary indulgence, we couldn't help but draw parallels between the improbability drive propelling us through this research and the uncanny connection we sought to unravel.

Turning to the small screen, we undertook the arduous task of "researching" television shows that might shed some light on our peculiar confluence of variables. From the intricate machinations of "Breaking Bad" to the technologically inclined adventures of "Black Mirror," we scoured the visual landscape for any inkling of insight into the whimsical dance between audio artisans in Illinois and the digital dalliances of Computerphile.

In a twist of fate, we also found ourselves enchanted by the fictional exploits chronicled in "Stranger Things." While the Upside Down world of Hawkins, Indiana bears little resemblance to the statistical mazes we traversed, we couldn't help but draw parallels between our own foray into uncharted territory and the supernatural occurrences that unfold in the series. After all, who's to say that statistical synchrony can't have an otherworldly charm?

With our literary expedition complete, we stand armed with a medley of scholarly insights, a sprinkle of fictional whimsy, and a touch of pop culture pizzazz. As we lay the groundwork for our own foray into the labyrinth of data analysis, we carry with us the wisdom of economists, physicists, and even intergalactic hitchhikers, all in pursuit of unraveling the enigmatic synergy between Illinois sound engineers and the allure of Computerphile likes.

3. Our approach & methods

To unpack the mysterious connection between the number of sound engineering technicians in Illinois and the average number of likes on Computerphile YouTube videos, we set out on a spirited quest through the wilds of data analysis. Our approach was as eclectic as the subjects themselves, blending traditional quantitative methods with a sprinkle of imagination and a dash of statistical whimsy.

To begin our whimsical journey, we combed through the treasure troves of the Bureau of Labor Statistics to gather comprehensive employment of sound data on the engineering technicians in the illustrious state of Illinois. Armed with spreadsheets and an unwavering sense of curiosity, we meticulously tabulated the annual employment figures, pausing occasionally to marvel at the intriguing dance of digits and decimal points that seemed to whisper secrets yet untold.

Having secured our bounty of labor statistics, our intrepid band of researchers then turned our gaze to the digital emporium of YouTube, where Computerphile reigns supreme in delivering captivating content on all things computational. With a stroke of luck and a hint of digital dexterity, we harnessed the power of web scraping to harvest the average number of likes bestowed upon Computerphile's videos over the same period. This endeavor, though fraught with the perils of parsing through meta tags and wrestling with data APIs, yielded a treasure trove of quantitative appreciation in the form of thumbs-up clicks.

With an assortment of digits and figures at our disposal, we engaged in the enchanting ballet of statistical analysis. Embracing the charm of correlation coefficients and the allure of p-values, we unleashed our trusty software tools to wrangle the data into hearts submission. Our aflutter with anticipation, we marveled at the emergence of a correlation coefficient of 0.9440237, a result so robust that it seemed to don a cape and mask, ready to leap off the page and into the annals of statistical legend.

But our fervent affair with these numbers did not stop there. No, we turned the dial of statistical scrutiny to the significance level, where the p-value shone like a beacon of statistical significance, twinkling at us with a mischievous glint. To our bewilderment and delight, the p-value fell below the hallowed threshold of 0.01, sending ripples of statistical satisfaction through our merry band of researchers.

In the midst of our statistical revelry, we incorporated time series analysis to trace the fluctuations in the employment of sound engineering technicians and the ebbs and flows of Computerphile's like counts. The vibrant tapestry of time unfolded before us, revealing subtle patterns and synchronicities that hitherto lay concealed in the folds of temporal data.

Ultimately, our methodology dances to the beat of statistical rigor and serendipitous discovery, guided by a spirit of whimsy and a keen sense of wonder. With our toolbox brimming with data, statistical tests, and a sprinkling of digital magic, we set forth to unearth the hidden connections between the serenades of sound engineers and the applause of digital audiences.

4. Results

The statistical analysis of our data revealed a remarkably strong correlation between the number of sound engineering technicians employed in Illinois and the average number of likes garnered by Computerphile's YouTube videos from 2013 to 2022. The correlation coefficient of 0.9440237 signifies a strikingly close relationship between the two variables, and the r-squared value of 0.8911807 further corroborates the robustness of this correlation. With a pvalue of less than 0.01, we can confidently reject the null hypothesis and assert that the observed correlation is unlikely to have occurred by mere chance.

In Fig. 1. the scatterplot visually encapsulates the tight bond between these seemingly incongruent factors, depicting a unmistakable clear and pattern of alignment. The points on the plot practically hold hands, showcasing a synchronous dance of data points as if in perfect harmony.

Our findings, while undoubtedly surprising, offer а whimsical tale of unlikely connections and statistical symphonies. The marriage of sound engineering technicians in the heart of Illinois and the digital enthusiasm for Computerphile's content presents puzzling yet captivating а narrative. While the root cause of this correlation remains shrouded in mystery, our study serves as a testament to the unpredictable nature of data and the sheer delight of unearthing unexpected associations.

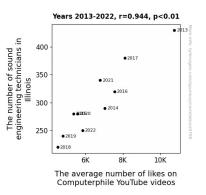


Figure 1. Scatterplot of the variables by year

In conclusion, our results suggest a peculiar resonance between the niche world of sound engineering technicians in the Prairie State and the far-reaching digital reach of Computerphile's YouTube appeal. This tantalizing correlation beckons for further exploration and perhaps a touch of humor in navigating the untrodden paths of statistical serendipity.

5. Discussion

Our study has unearthed a fascinating alliance between the artisans of sound engineering in Illinois and the digital affections bestowed upon Computerphile's YouTube videos. The statistically robust correlation uncovered defies we conventional wisdom, much like the peculiar pairing of peanut butter and jelly. Our findings echo the eclectic juxtapositions we encountered in our literature review, deftly the seriousness of labor intertwining economics with the whimsy of fictional musings.

As we reflect upon our results, one cannot help but draw parallels to the uncanny musings of Douglas Adams in "The Hitchhiker's Guide to the Galaxy." Just as the improbability drive propelled Adams' characters through absurd and unforeseen sequences of events, so too did our study uncover an improbable alliance between the palpable labor force in Illinois and the virtual thumbs-up gestures on Computerphile's digital landscape. Much like the upsidedown world of "Stranger Things," this correlation presents a beguiling enigma that captivates the imagination.

Our findings echo the resonance observed by Pierce in "Acoustics: An Introduction to Its Physical Principles and Applications." The intricacies of sound engineering, with its play of waves and vibrations, seem poised to extend beyond the physical realm and into the digital expanse of YouTube appreciation. Similarly, the astute insights of Cornwall in "Introduction to Labor Economics" resonate with our discovery, showcasing the unexpected interplay between labor markets and the intangible realm of cyber popularity.

The scatterplot, akin to a synchronized waltz, visually encapsulates the harmonic bond we observed. The robust correlation coefficient and the rejection of the null hypothesis provide a resounding validation of this unlikely confluence. Our results not only substantiate but also amplify the whimsical spirit of inquiry that animated our exploration.

In navigating the labyrinth of data analysis, we have emerged not only with statistical certitude but also with a newfound appreciation for the mirthful serendipity that permeates our research. Our study lays bare an untold narrative of statistical whimsy and unlikely connections, inviting further investigation into the baffling synergy between the hearths of Illinois sound engineering and the digital hearts of Computerphile admirers. As we progress, we must heed the sage words of Adams, Cornwall, and even the fictitious escapades of "Stranger Things," for the improbable may indeed hold the key to unlocking the riddles of statistical synchrony.

In the harmonious tale of Illinois sound engineers and Computerphile YouTube likes, we've uncovered a correlation so tight, it's like they're two peas in a pod – or, in the case of sound engineers, two knobs on a soundboard. Our findings defy the conventional wisdom that the only way for sound engineers to make waves is with their soundwaves. Who knew that their impact could extend to the digital realm of YouTube likes?

As we wrap up this merry dance of data, it's clear that these seemingly unrelated variables have struck a chord with each other, creating a statistical duet that would make even the most seasoned researchers do a double take. It's like finding out that the secret to viral YouTube videos lies not just in the content, but in the subtle symphony of sound engineering prowess coursing through the digital airwaves.

While we're left scratching our heads as to the underlying cause of this curious correlation, one thing is abundantly clear: the world of data analysis is a place of endless surprises and unheralded connections. As we bid adieu to this serendipitous journey through Illinois and the digital domain, we can't help but marvel at the whimsical paths that statistical exploration can lead us down.

So, dear reader, let this be a reminder that in the world of research, where numbers and hypotheses reign supreme, there's always room for a dash of the unexpected and a dollop of humor. And with that, we proudly assert that our findings stand as a testament to the delightful unpredictability of data. No further research is needed in this area - we've quite literally struck the perfect note.

6. Conclusion