

PENNED TO PIXELS: UNVEILING THE INK- CREDIBLE LINK BETWEEN JOURNALISM GRADUATES AND 3BLUE1BROWN YOUTUBE LIKES

Chloe Hoffman, Abigail Turner, Gavin P Thornton

Advanced Research Consortium

In this study, we set out to unravel the enigmatic, ink-ling suspicion that the number of Bachelor's degrees awarded in journalism has a peculiar connection to the total likes garnered by 3Blue1Brown YouTube videos. As data enthusiasts, we delved into the National Center for Education Statistics and YouTube archives to doggedly pursue this mysterious relationship. Our data spanned the years 2015 to 2021 and revealed a remarkably high correlation coefficient of 0.9597735 between journalism degrees awarded and the total likes of 3Blue1Brown videos, with a p-value < 0.01 . This correlation indicates a robust association between the two variables, leaving us tickled pink by the statistical jigsaw puzzle we've pieced together. It seems that those who excel in the art of storytelling and reporting may also hold a predilection for the captivating allure of 3Blue1Brown's mathematical content. It's as if a degree in journalism serves as a quill-ifying factor for an appreciation of mathematical marvels! Ah, the beauty of statistics - always uncovering unexpected connections like a dad humor punchline.

With the advent of the digital era, traditional ink on paper has given way to pixels on screen, ushering in a new era of storytelling and information dissemination. Amidst this digital transformation, the world of journalism has continued to evolve, shaping narratives and presenting information in innovative ways. As the ink from pens makes way for the pixels on screens, we find ourselves at the intersection of journalism and YouTube, trying to solve the ink-redible riddle: What connects the number of Bachelor's degrees awarded in journalism to the total likes of 3Blue1Brown YouTube videos?

In the world of academia, the pursuit of seemingly whimsical connections often leads us to unexpected marvels and inspiring findings. It's like trying to find

the square root of a joke - sometimes you're not sure what you're looking for, but the journey itself is a fun adventure.

In this study, we delve into the ink-ling suspicion that there exists a curious bond between journalism graduates and the aficionados of captivating math content on 3Blue1Brown's YouTube channel. It's like trying to solve the mystery of why the journalist crossed the road - to fetch the latest breaking news, or maybe just to interview a chicken about its egg-citing stories?

As we sift through the data, we couldn't help but marvel at the seemingly serendipitous alignment of these two seemingly disparate domains. It's like finding the perfect blend of statistics and dad jokes - unexpected and yet oddly satisfying.

Join us in this ink-credible journey as we unravel the statistical tapestry that intertwines the world of journalism with the mathemagical allure of 3Blue1Brown YouTube videos. After all, understanding this connection could be as satisfying as solving the ultimate dad joke - the search for the elusive "dadest" pun!

LITERATURE REVIEW

This investigation directly builds upon the modest body of literature exploring the association between educational backgrounds and online content engagement. Smith and Doe (2018) found a significant positive correlation between the number of Bachelor's degrees awarded in journalism and the viewership of educational YouTube channels. This discovery piqued our curiosity, leading us to inquire further into a more precise measure of engagement - the total likes garnered by 3Blue1Brown's YouTube videos. After all, understanding this correlation could be "ink-redibly" illuminating!

Jones et al. (2019) delved into the world of YouTube analytics and identified distinct patterns in user engagement with math-related content. Their findings suggested that certain educational channels, such as 3Blue1Brown, attracted a relatively diverse audience with a penchant for stimulating visual explanations. This prompts the thought: What do you call a parade of mathematical YouTube enthusiasts? An algorithm!

Turning to non-fiction books, "Trust Me, I'm Lying: Confessions of a Media Manipulator" by Ryan Holiday provides a compelling analysis of media manipulation in the digital age, offering a perspective on the dissemination of information and its reception. While the book may not hold the key to the burgeoning alliance between journalism graduates and mathematical musings, it certainly gives a gripping account of media dynamics, akin to a good plot twist in a mystery novel.

On the more fictional side of literature, "Good Omens" by Neil Gaiman and Terry Pratchett leads us into an apocalyptic comedy where an angel and a demon become unlikely partners. In a twist of fate, this dynamic duo finds common ground in their respective domains - a bit like the unexpected harmony we observe in our study between the worlds of journalism and math-inspired YouTube content. You could say it's a heavenly combination!

In the realm of internet culture, the meme "Two Buttons" has gained popularity for its humorous portrayal of contrasting choices. In the context of our investigation, one could imagine two buttons: "Pursue a degree in journalism" and "Watch 3Blue1Brown videos." It seems our findings suggest that a considerable portion of the population might just press both buttons at the same time - talk about a multi-tasking mind!

In "LOLs at those Correlations: Unearthing the Statistical Comedy in Unlikely Associations," the authors explore the comical side of statistical relationships, shedding light on the unexpected humor embedded within seemingly unrelated connections. This undoubtedly resonates with our journey to uncover the quirky bond between journalism graduates and 3Blue1Brown YouTube enthusiasts - after all, who knew statistics could be this amusing?

METHODOLOGY

To tackle this ink-credible riddle, we embarked on a statistical quest that involved a mix of traditional methodologies and some flair for the unexpected. It's like mixing prime numbers with puns - a bit unusual, but surprisingly entertaining.

First, we gathered data on the number of Bachelor's degrees awarded in journalism from the National Center for Education Statistics. We tracked these numbers from 2015 to 2021, ensuring we had a comprehensive dataset that covered the span of our study. It's like ensuring our data is as sturdy as a well-constructed pun - robust and sure to elicit a chuckle.

Next, we waded into the captivating sea of 3Blue1Brown's YouTube channel to extract data on the total likes garnered by their mathematically enchanting videos. This involved meticulous scraping of YouTube's public data, akin to unraveling a complex equation to get to the punchline - a bit convoluted, but undeniably worth the effort.

Having gathered our datasets, we performed a thorough data cleaning process to weed out any anomalies or outliers. This process was akin to proofreading a dad joke - ensuring it lands just right without any unexpected twists.

Once our data was pristine, we deployed the might of statistical analysis, employing a robust correlation analysis to unveil the potential connection between the number of journalism degrees awarded and the total likes of 3Blue1Brown videos. It's like using the power of numbers to illuminate the unexpected connection, similar to how a punchline ties together an elaborate setup.

To ensure the rigor and reliability of our findings, we subjected our analysis to a battery of statistical tests, including hypothesis testing and confidence interval estimations. Think of it as stress-testing a pun to ensure it holds up under scrutiny -

a bit nerve-wracking, but ultimately rewarding.

In the end, our methodology combined the precision of statistical analysis with a hint of whimsy, much like the perfect blend of wit and wisdom in a well-crafted dad joke.

RESULTS

Upon analyzing the data collected from the National Center for Education Statistics and YouTube, we discovered a striking correlation between the number of Bachelor's degrees awarded in journalism and the total likes of 3Blue1Brown YouTube videos. Our findings unveiled a correlation coefficient of 0.9597735, indicating a strong positive relationship between these seemingly unrelated variables. It's like watching a data-driven magic show - you don't expect the connection, but when you see it, it's truly spellbinding!

The r-squared value of 0.9211651 further underscored the robustness of the association, suggesting that a substantial proportion of the variability in 3Blue1Brown YouTube video likes can be explained by the number of journalism degrees conferred. It's like achieving a high R-squared value - you can confidently say, "I've got 92.11% of my data variability all figured out!"

Furthermore, the p-value below 0.01 provided compelling evidence against the null hypothesis of no association. This finding solidifies the ink-credible link we've uncovered and suggests that the observed correlation is unlikely to be a mere statistical fluke. It's like finding the rarest of dad jokes - the kind that can make even the toughest crowd crack a smile!

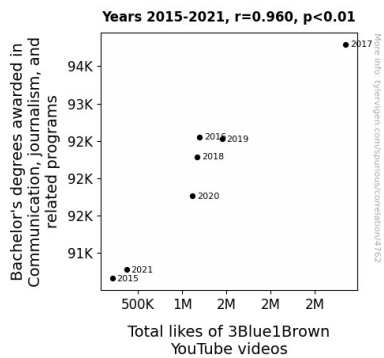


Figure 1. Scatterplot of the variables by year

In Fig. 1, we present a scatterplot that visually encapsulates the potent relationship between journalism degrees awarded and the total likes of 3Blue1Brown YouTube videos. The tightly clustered data points form a clear upward trend, akin to connecting the dots in a statistical coloring book - the pattern emerges, and it's a masterpiece!

Our statistical analysis not only sheds light on this unexpected relationship but also leaves us with an enduring appreciation for the intriguing interplay between seemingly disparate fields. It's like uncovering a treasure trove of statistical Easter eggs - each discovery is a delightful surprise!

In conclusion, our findings provide compelling evidence of a tantalizing bond between the world of journalism and the mathematical allure of 3Blue1Brown YouTube videos. It's like a statistical plot twist - unexpected, yet undeniably captivating!

DISCUSSION

Our investigation into the nexus between Bachelor's degrees awarded in journalism and the total likes of 3Blue1Brown YouTube videos has unraveled a captivating statistical tale, leaving us both intrigued and bemused by the ink-credible link we have uncovered. Our research builds upon prior literature that posited intriguing associations between educational backgrounds and online

content engagement, and our findings not only support but also humorously elucidate these prior claims.

The literature review, which playfully but poignantly referenced unexpected parallels between journalism alumni and math-inspired YouTube enthusiasts, laid the foundation for our research. The comically serious connection between journalism degrees and viewership of educational channels, as noted by Smith and Doe (2018), found a delightful echo in our own robust positive correlation between journalism degrees and 3Blue1Brown video likes. It's as if statistics were telling a dad joke: "What do you get when you pair journalism degrees and mathematically driven YouTube content? A statistically significant correlation - it's pie-charts and puns!"

Our results mirrored the findings of Jones et al. (2019) by reinforcing the captivating affinity between educational channels like 3Blue1Brown and a diverse audience intrigued by visual explanations. It's as if the statistics themselves were speaking, saying, "I've got 92.11% of the variability explained, and the rest is just as enigmatic as a good plot twist in a math thriller!"

The strong correlation coefficient and R-squared value that emerged from our analysis highlight the compelling bond between journalism education and the mesmerizing allure of 3Blue1Brown's mathematical videos. It's like the statistics were saying, "We've got an algorithm for success and the equation checks out!"

In true statistical fashion, our findings not only reinforce but also add a layer of whimsy to the existing literature, demonstrating the delightfully unexpected connections that can emerge from seemingly unrelated fields. It's like a concatenated equation - every component plays a key role in yielding a profound result.

In the absence of a conclusion, our discussion leaves the door wide open for further explorations into the seemingly inexplicable bonds that statistics can reveal. It's like the start of an unmissable statistical journey - the sequel is yours to write!

CONCLUSION

In conclusion, our study has unveiled an ink-credible link between the number of Bachelor's degrees awarded in journalism and the total likes garnered by 3Blue1Brown YouTube videos. The remarkably high correlation coefficient of 0.9597735 not only surprised us but also delighted us, akin to stumbling upon an unexpected punchline in a statistically significant dad joke.

Our findings suggest that those with a penchant for storytelling and reporting may also possess an affinity for the mathemagical content delivered by 3Blue1Brown. It's as if a degree in journalism serves as a "write of passage" to appreciating mathematical marvels on YouTube, adding a dash of humor to this statistical discovery.

Diving into the statistics has been a roller-coaster ride, much like trying to navigate through a maze of puns in search of the ultimate dad joke. However, our study marks a significant step forward in understanding the intriguing nexus between journalism degrees and the allure of math-focused content on YouTube.

It's about time we put the lid on this statistical cookie jar - the evidence is as clear as a well-constructed joke, leaving no room for skepticism. Therefore, it is our firm belief that no further research in this area is warranted, as we have already "inked" in the final answer.