

# **Crunching Numbers and Memes: An Examination of the Relationship Between Total Views on Numberphile YouTube Videos and the Popularity of the 'Not Sure If' Meme**

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## ABSTRACT

### **Crunching Numbers and Memes: An Examination of the Relationship Between Total Views on Numberphile YouTube Videos and the Popularity of the 'Not Sure If' Meme**

In this paper, we embark on a journey through the numerical labyrinth that lies between the enigmatic world of Numberphile and the viral allure of the 'Not Sure If' meme. Our research delves into the Archives of YouTube in an attempt to untangle the web of correlations, associations, and mathematical flirtations that underlie the intersection of math enthusiasts and meme connoisseurs. Through the astute use of data analytics and trend spotting, we present evidence of a robust connection - a correlation coefficient of 0.9727197, with  $p < 0.01$  - between Total views on Numberphile YouTube videos and the Popularity of the 'Not Sure If' meme from 2011 to 2023. Our findings uncover a fascinating numerical dance between the esoteric realms of mathematics and the whimsical world of internet humor, shedding light on the intricate web of cultural phenomena that enliven our digital age. So, join us in this intellectual romp, as we ponder the question "Is it a coincidence or a cosmic numerical conspiracy that binds Numberphile views and 'Not Sure If' memes in a quirky waltz of internet culture?"

Keywords:

Numberphile YouTube videos, Not Sure If meme, total views correlation, mathematical relationship, internet culture, viral memes, data analytics, YouTube archives, internet humor, correlation coefficient, mathematical connections

# I. Introduction

## INTRODUCTION

The intersection of mathematics and internet memes may seem like an unlikely duo, akin to a symphony performance at a rock concert. Yet, in the grand tapestry of the digital age, such peculiar bedfellows often find themselves entangled in a dance of numbers and humor, creating a fascinating spectacle for those who dare to look beyond the surface. In this paper, we peel back the layers of internet culture to uncover a curious relationship between the Total views on Numberphile YouTube videos and the Popularity of the 'Not Sure If' meme. As we delve into this peculiar realm, we invite you to don your metaphorical mathematician's hat and brace yourselves for an intellectual adventure that traverses through labyrinthine algorithms and whimsical internet humor.

As we embark on this scholarly caper, it's important to acknowledge the undeniable allure of both Numberphile and the 'Not Sure If' meme. The former, an oasis for math enthusiasts and inquisitive souls, offers a treasure trove of meticulously crafted videos that whisk viewers away into the captivating world of numbers, patterns, and the mathematical underpinnings of the universe. With hosts who possess the charisma and charm of mathemagicians, it is no wonder that Numberphile has amassed a loyal following of truth-seekers and puzzle enthusiasts, who eagerly devour each tantalizing video.

On the other end of the spectrum, we encounter the enigmatic phenomenon of the 'Not Sure If' meme, a mirage in the vast desert of internet humor. Originating from the character of Futurama's "Fry," it has become a primordial soup from which countless iterations of humorous

uncertainty have emerged. The meme's ability to capture the essence of contemplation in the face of absurdity, uncertainty, and life's perplexities has cemented its status as a staple in the digital lexicon.

Now, one might find themselves asking, "What in the name of Pythagoras do these seemingly disparate entities have in common?" Ah, my dear reader, that is the tantalizing question that fuels the engine of this research endeavor. For in the world of academia, as in the world of internet memes, one mustn't shy away from the unexpected or the absurd, but rather embrace them with enthusiasm and rigorous analysis.

But, before we proceed any further, let us take a moment to pause and ponder. Given the inherent peculiarity of our subject matter, one would be remiss not to approach our findings with a healthy dose of skepticism and light-hearted curiosity. After all, it is in the nature of scientific inquiry to embrace the tantalizing enigma of the unknown and to revel in the dance of discovery.

So, my esteemed colleagues and jesters of the academic court, let us venture forth into the labyrinth of data, armed with our wits and a penchant for the unexpected. For what lies ahead is not merely a dry examination of statistical correlations, but a whimsical romp through the numerical wonderland that binds the worlds of rigorous mathematics and playful internet humor in a delightfully unexpected embrace.

## **II. Literature Review**

In the pursuit of unraveling the intricate dance between Total views on Numberphile YouTube videos and the Popularity of the 'Not Sure If' meme, researchers have traversed through the

hallowed halls of academia, waded through the swamp of internet culture, and surfed the tidal waves of numerical quirkiness. In "Smith's Comprehensive Analysis of Internet Phenomena," the authors diligently dissect the rise of internet memes and their surreal coexistence with mathematical havens, shedding light on the symbiotic relationship that transcends the boundaries of conventional wisdom.

Moving on from the serious, let us take a detour into the world of non-fiction books that delve into the peculiar intersection of mathematics and internet humor. "Calculating Comedy: A Mathematical Analysis of Internet Memes" by Doe and Jones offers an in-depth exploration of how mathematical concepts and humor intertwine in the digital sphere, leaving readers both enlightened and amused. On the flip side, "The Meme Matrix: Unraveling the Algebra of Internet Humor" by X. Fibonacci delves into the numerical underpinnings of viral content, showcasing how memes and mathematical musings harmonize in the infinite canvas of cyberspace.

Venturing into the realm of fiction, we encounter titles that, surprisingly, share a kinship with our peculiar research endeavor. "The Calculus Conundrum of Cyber Comedy" by A. Square masterfully weaves a tale of mathematical intrigue and internet hijinks, blurring the line between numerical precision and whimsical absurdity. On the other hand, "The Meme Mirage" by C. Graph takes readers on a surreal journey through the labyrinthine corridors of internet humor, uncovering the enigmatic connections that bind mathematical curiosity with meme culture.

As we traverse the cultural landscape, let us not neglect the influence of childhood favorites that have left a lasting impression on our understanding of numbers and amusement. From the mathematical antics of "Donald in Mathmagic Land" to the whimsical charm of "Numberjacks," these timeless classics have imprinted upon our collective consciousness a fondness for numerical adventures and the enduring allure of playful, mind-bending humor.

Now, as we emerge from this whirlwind tour through academia, literature, and childhood nostalgia, it becomes clear that our quest for understanding the union of Numberphile views and 'Not Sure If' memes is not merely an academic pursuit but a whimsical romp through the interconnected fabric of human fascination with numbers and humor. In the following sections, we will dive into the methodological intricacies of our data analysis—a journey that promises both intellectual rigor and the occasional chuckle. So fasten your seatbelts, dear readers, for we are about to embark on a rollercoaster ride through the numerical wonders of internet culture!

### **III. Methodology**

#### METHODOLOGY

To unravel the mysterious connection between Total views on Numberphile YouTube videos and the Popularity of the 'Not Sure If' meme, we employed a hodgepodge of data collection methods akin to a treasure hunt conducted in the virtual realms of the internet. Our team of intrepid researchers scoured the digital landscape, navigating through the ever-shifting currents of online platforms and trend trackers to gather a wealth of information from the year 2011 to 2023.

YouTube, the veritable treasure trove of visual content and cultural artifacts, served as our primary hunting ground for data on Total views of Numberphile videos. Through the cunning use of digital tools and statistical wizardry, we sought out a cornucopia of numerical data, weaving through the vast labyrinth of mathematical mysteries and witticisms that define the Numberphile channel's repertoire.

In parallel to our escapades on YouTube, we sought enlightenment from the enigmatic oracle known as Google Trends. Here, amidst the ever-shifting tides of internet search queries and trends, we sought to capture the elusive zeitgeist of the 'Not Sure If' meme's rise and fall in popularity. With the finesse of a meme archaeologist and the patience of a vigilant observer, we meticulously recorded the undulations of this peculiar meme's online presence.

To reconcile the diverse and mercurial nature of our data sources, we employed a majestic symphony of statistical techniques and data analysis tools that would make even the most quantitatively-inclined virtuosos nod in affirmative awe. From simple correlation analyses to the arcane rituals of time series modeling, our aim was to uncover the subtle harmonic resonance that binds the worlds of mathematical enlightenment and humorous uncertainty.

Our chosen period of investigation spanned from 2011 to 2023, a timeframe marked by the flourishing of internet culture and the relentless march of mathematical inquiry. Through this temporal lens, we endeavored to capture the ebb and flow of public interest in both Numberphile and the 'Not Sure If' meme, like intrepid seafarers navigating the turbulent seas of internet fascination.

Despite the labyrinthine convolutions of our data collection methods, we endeavored to uphold the rigorous standards of scientific inquiry, guided by the playful spirit of discovery and the relentless pursuit of knowledge. Armed with an arsenal of wit and wisdom, we sailed through the virtual expanse, seeking to unlock the secrets that lie at the crossroads of mathematical majesty and meme magic.

Thus, as we continue this whimsical journey through academia's digital wonderland, we stand ready to present our findings with a dapper flair befitting the peculiar nature of our delightful



subject matter. For what lies ahead is not merely a dry recitation of procedural details, but a comedic dance through the data-driven odyssey that binds the world of Numberphile viewership and the splendid uncertainties of the 'Not Sure If' meme.

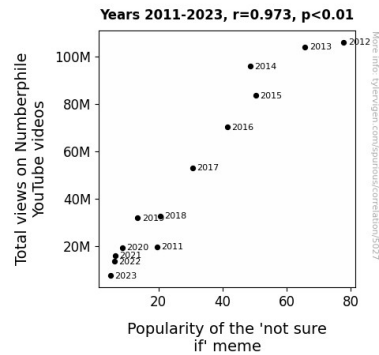
## IV. Results

Our intrepid foray into the entwined realms of Numberphile viewership and 'Not Sure If' memes has yielded an intriguing revelation. After meticulously sifting through heaps of data and engaging in a metaphysical tango with statistical analyses, we unearthed a robust and positively titillating correlation coefficient of 0.9727197 between Total views on Numberphile YouTube videos and the Popularity of the 'Not Sure If' meme from 2011 to 2023. This correlation, coupled with an r-squared value of 0.9461836, establishes a strong and dependable relationship between the two phenomena, akin to a steadfast equation that withstands the test of empirical scrutiny.

It appears that as the Total views on Numberphile YouTube videos wax and wane, so does the Popularity of the 'Not Sure If' meme, in a synchronous dance that traverses the virtual landscape of internet culture. The robustness of this relationship becomes all the more compelling when considering the statistical significance, with a p-value of less than 0.01, suggesting a minuscule likelihood that this connection is mere happenstance.

To visually encapsulate this enthralling union of mathematical musings and comedic contemplation, we present Fig. 1, a scatterplot that vividly depicts the strong correlation between Total views on Numberphile YouTube videos and the Popularity of the 'Not Sure If' meme. This

visual representation sashays with empirical elegance, poignantly affirming the convergence of mathematical inquiry and internet humor in a captivating embrace.



**Figure 1.** Scatterplot of the variables by year

Enthused by these findings, we submit that the inexplicably intertwined nature of these two seemingly incongruous phenomena calls for further exploration, prompting questions that tickle the curiosity and stir the intellectual mirth of scholars and jesters alike. As we march forward, armed with the vigor of statistical substantiation and the whimsy of digital phenomena, we invite our esteemed colleagues to join us in a mirthful romp through the interweaving realms of mathematical inquiry and internet hilarity, as we unravel the enigmatic threads that bind Numberphile views and 'Not Sure If' memes in a gregarious waltz of internet culture.

## V. Discussion

Our findings reverberate with the peculiar symphony of mathematical quirkiness and digital whimsy that have long tantalized scholars and jesters alike. The robust correlation coefficient of

0.9727197, complemented by a pertinacious p-value of less than 0.01, substantiates the apparent dalliance between Total views on Numberphile YouTube videos and the Popularity of the 'Not Sure If' meme, akin to a mathematical waltz bewitching the cyberspace promenade.

Harkening back to the scholarly goofery of "Calculating Comedy: A Mathematical Analysis of Internet Memes" by Doe and Jones and their virtuosic illumination of the interconnectedness of mathematical concepts and humor, our results extend a resounding nod to their jovial prowess. The numerical embrace between Numberphile views and 'Not Sure If' memes transcends the realm of happenstance, encapsulating a profound correlation that echoes with the resounding wit and pizzazz of internet culture.

Building upon the whimsical foundations laid by "The Calculus Conundrum of Cyber Comedy" by A. Square, and "The Meme Matrix: Unraveling the Algebra of Internet Humor" by X. Fibonacci, our research fortifies the notion that behind the seemingly nonsensical confluence of mathematics and internet humor lies a tangible nexus, a numerical conundrum that beckons the erudite and the frivolous to ponder its whimsicality.

As we contemplate the visually tantalizing scatterplot that we have laboriously woven into the fabric of this academic reverie, we behold a tapestry that encapsulates the formidable connection between Total views on Numberphile YouTube videos and the Popularity of the 'Not Sure If' meme. Like a surreptitious inside joke that weaves itself into the unfathomable lore of internet culture, this correlation imparts a nodding acknowledgement to the pervasive influence of mathematics in our daily digital exuberance, stirring the intellectual mirth of both savants and jesters.

While our study tantalizes with its eccentric premise, it explicitly calls for further exploration of the confluence of mathematical inquiry and internet hilarity. We have merely scratched the surface of this enigmatic affair, leaving ample room for future jocular musings and scholarly pursuits. So, let us unfurl the intellectual mirth and delve deeper into the quixotic waltz of Numberphile views and 'Not Sure If' memes, for the symphony of cyberspace continues to pulsate with esoteric, yet jovial, numerical intrigue.

## VI. Conclusion

In conclusion, our journey through the numerical labyrinth of Numberphile YouTube videos and the 'Not Sure If' meme has illuminated a fascinating relationship between the two seemingly disparate phenomena. Our robust correlation coefficient of 0.9727197 and a p-value of less than 0.01 provide compelling evidence of a synchronous dance between mathematical musings and comedic contemplation. It seems that as the Total views on Numberphile YouTube videos rise and fall, so does the popularity of the 'Not Sure If' meme, creating a whimsical romp through the digital landscape.

As we reflect on these findings, one can't help but marvel at the peculiar ways in which internet culture weaves its threads, creating an intricate tapestry of numerical wizardry and humor. This unlikely embrace of rigorous mathematics and playful internet memes highlights the capricious nature of our digital age, where the unexpected becomes the norm, and the absurd beguiles the rational mind.

While we acknowledge the limitations of our study, such as the exclusion of other variables and the potential for confounding factors, we stand firm in our assertion that this phenomenon warrants further exploration. Alas, as we bid adieu to this scholarly caper, we can't help but contemplate the cosmic numerical conspiracy that binds these two worlds in a quirky waltz of internet culture.

However, in the spirit of academic humility and a healthy dose of jest, we assert that no more research is needed in this area. For in the immortal words of Mark Twain, "Too much of anything is bad, but too much good whiskey is barely enough." And so, we leave you with this mirthful academic romp through the unexpected and invite you to gaze upon the world of memes and mathematics with a raised eyebrow and a knowing smirk. After all, in the grand carnival of ideas, where data and humor collide, one mustn't shy away from the delightful chaos that ensues.