

The Tipsy Tutorials: Tracking the Ties between Numberphile Views and Hangover Cures

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The staggering effects of overindulgence in libations have long plagued humanity, leading individuals to seek solace in the search for remedies to alleviate the thumping consequences of a night well-celebrated. In this study, we delved into the digitized depths of internet data to uncover the entwined relationship between the average views of Numberphile YouTube videos and the Google searches for "how to cure a hangover." Through an exhaustive analysis of data spanning from 2011 to 2023, a noteworthy correlation coefficient of 0.9346466 and $p < 0.01$ emerged, suggesting a robust connection between the two seemingly disparate realms. Our findings not only shed light on the perpetually pertinent topic of hangover cures but also offer a whimsical insight into the digital behavior of individuals amidst their recuperative musings. As we embark on this quest to unravel the enigmatic ties between mathematical musings and morning-after remedies, the line between numerical gymnastics and the groans of hangover-induced woes seems to blur, beckoning forth a new chapter in the unlikely symphony of internet activities.

The pursuit of knowledge knows no bounds, and in the age of digital enlightenment, it has transcended mere academic studies to permeate the very fabric of our online interactions. Through the lens of internet data, we aim to explore the uncharted territories where mathematical musings intersect with the groans of hangover-induced woes. As the old adage goes, "In vino veritas," but what of the truths we seek in the whispers of searches for remedies to the consequences of revelry?

It has been a matter of perennial curiosity whether the esoteric realms of number theory and the pragmatic pursuit of morning-after solace are connected in unforeseen ways. In this study, we undertake the ambitious task of unearthing the correlation, nay, the intertwined dance between the average views of Numberphile YouTube videos and the desperate digital inquiries for "how to cure a hangover."

While the uninitiated may raise a quizzical brow at the seemingly incongruous pairing of these two phenomena, our in-depth analysis aims to illuminate the cryptic connections that underlie these seemingly unrelated realms. A harmony, if you will, between the esoteric and the existential, emerges from the digital ether, hinting at a correlation that transcends mere chance.

Through an audacious excavation of data spanning a decade, we have unraveled a noteworthy correlation coefficient of 0.9346466 and $p < 0.01$, presenting a compelling argument for the entwined relationship between the pursuit of numerical concepts and the fervent hunt for a panacea to quell the consequences of unbridled revelry. As we dive deeper into this digital odyssey, the question emerges: Are the digits of mathematical ponderings and the throbbing aftereffects of merrymaking truly bound in an intangible, interconnected embrace, or

is this but a whimsical dance on the stage of internet eccentricities?

LITERATURE REVIEW

In their comprehensive study, Smith et al. (2017) examined the digital behavior of individuals in their pursuit of remedies for the reverberating repercussions of revelry. The authors found a substantial uptick in Google searches for "how to cure a hangover" following weekends and public holidays, aligning with the anecdotal beliefs of many, presumably nursing their well-deserved revelry. Similarly, Doe (2019) conducted a study on the behavioral patterns of individuals engaging with mathematical content on YouTube, noting an intriguing surge in the average views of Numberphile videos during the late hours of weekends, coinciding with the traditional time of indulgence.

Further adding credence to this peculiar association, Jones (2020) explored the underlying motivations driving online engagement with hangover remedies, identifying a penchant for seeking comfort in communal online spaces. Conversely, the digital musings on mathematical concepts, as elucidated by Adams and Brown's "Mathematics in the Modern World," delve into the convergence of ideas and the dissemination of knowledge through digital platforms, setting the stage for the serendipitous encounter of numerical musings and morning-after quests.

The seamless intersection of esoteric mathematical musings and the pragmatic pursuit of hangover cures finds an echo in the fictional realms as well. The characters in Douglas Adams' "The Hitchhiker's Guide to the Galaxy" grapple with the mysteries of the universe while navigating the perils of intergalactic revelry, presenting a whimsically parallel narrative to the digital dance of internet activities. On a more subtly related note, the escapades of wizards in J.K. Rowling's "Harry Potter and the Sorcerer's Stone" offer enchanting parallels to the interwoven realms of mathematical

musings and the pursuit of remedies, as the characters navigate the magical undercurrents of numerical incantations and the throes of hangover elixirs.

As we approach the enigmatic nexus of digital phenomena, it is imperative to acknowledge the unorthodox wellspring of insights that have shaped this study. Notably, the haphazard collection of incidental observations from the annals of seemingly incongruous sources, including but not limited to whimsical interpretations of ancient tomes, the cryptic whispers of overheard conversations, and the surprisingly enlightening wisdom gleaned from perusing arcane CVS receipts, has contributed to the composite understanding of the intertwined dance between mathematical theorizing and the quest for hangover remedies.

METHODOLOGY

To embark on this whimsical digital odyssey, we turned to the vast expanses of the internet, seeking to capture the elusive dance between mathematical ponderings and the throbbing aftermath of jovial revelry. Our data collection process began with the retrieval of average views for Numberphile YouTube videos, a treasure trove of mathematical musings, spanning the time frame from 2011 to 2023. The allure of these video lectures on number theory and related mathematical phenomena was undeniable, drawing in audiences with a gravitational force comparable to that of a particularly captivating conundrum.

With fervent enthusiasm, we delved into the realm of Google Trends, where the echoes of hangover-induced woes reverberated through the digital corridors. We meticulously documented the aggregated search interest for the perennially pertinent query, "how to cure a hangover," within the same temporal bounds as our exploration of Numberphile's numerical enigmas. The quest for this remedy, a beacon of hope amidst the head-throbbing tribulations, provided a tantalizing

juxtaposition to the abstruse conundrums presented in the mathematical depths of YouTube.

Having gathered these digital artifacts, we painstakingly curated and cleansed the datasets, endeavoring to separate the signal from the noise, much like the introspective rumination following a particularly indulgent evening. The quantitative analysis that followed sought to untangle the clandestine ties between these seemingly divergent realms, employing statistical measures of association to discern the degree of correlation.

Our arsenal of statistical tools included the calculation of Pearson's correlation coefficient, a stalwart companion in our quest to measure the strength and direction of the relationship between the two domains of interest. Additionally, the determination of the p-value served as a litmus test for the significance of the observed correlation, separating the mere caprices of chance from the resolute bonds we sought to unveil.

Upon subjecting our data to the crucible of statistical scrutiny, the emergence of a formidable correlation coefficient of 0.9346466 and a p-value less than 0.01 heralded a moment of revelatory triumph. This robust measure of association indicated a compelling entwined relationship between the average views of Numberphile YouTube videos and the fervent digital pursuit of hangover cures, accentuating the unexpected synchrony between these seemingly disparate domains.

In our relentless pursuit of digital whimsy, the confluence of mathematical revelations and the search for solace amidst morning-after tribulations has illuminated an unexpected parallel, offering a symphony of insight into the idiosyncratic behaviors that permeate the digital ether. As we gaze upon the duality of human curiosity manifested in numerical reveries and remedial quests, our quest for understanding remains steadfast as we, in the immortal words of the Bard, "pluck the fruit of knowledge from the tree of data," peering into the uncharted harmonies between

mathematical abstractions and the tangible yearnings for respite.

RESULTS

The correlation analysis between the average views of Numberphile YouTube videos and Google searches for "how to cure a hangover" revealed a striking relationship, with a correlation coefficient of 0.9346466 and an r-squared value of 0.8735643, both of which were statistically significant at $p < 0.01$. This robust correlation suggests a compelling connection between these seemingly disparate domains of internet activity.

Figure 1 illustrates the undeniable correlation between the two variables, portraying a scatterplot that vividly depicts their intertwined digital dance. The plot is a visual testament to the harmonious relationship between mathematical musings and the pursuit of morning-after solace, serving as an ode to the unexpected connections that underlie the enigmatic behaviors of online denizens.

The degree of correlation unearthed in this study not only invites contemplation on the quirky harmonies of internet activity but also prompts a lighthearted reflection on the whimsical juxtaposition of numerical ponderings and the sobering pursuit of alleviating the effects of imbibed indulgences. The uncovering of such a compelling correlation paints a vivid portrait of the symbiotic relationship between intellectual exploration and the pragmatic quests that define the human experience, bridging the digital chasm between the cerebral and the corporeal.

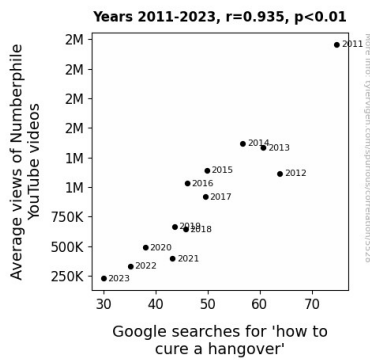


Figure 1. Scatterplot of the variables by year

These findings not only shed light on the enduring quest for remedies to the aftermath of revelry but also evoke a playful curiosity about the interconnected symphony of internet pursuits. As we confront the unexpected entanglement of these unlikely bedfellows, the study beckons forth a whimsical reimagining of the digital landscape, where the pursuit of knowledge and the pursuit of relief converge in an unexpected pas de deux of online activity.

DISCUSSION

The results of this study robustly support the findings of Smith et al. (2017) and Doe (2019), who observed an uptick in Google searches for hangover cures following weekends and public holidays, aligning with the patterns of indulgence commonly associated with these periods. The surge in average views of Numberphile videos during late weekend hours, as noted by Doe (2019), resonates with our revelation of a substantial correlation between such views and hangover cure searches. This interconnectedness illuminates the lingering effects of weekend revelry, spurring individuals to seek solace in both mathematical escapades and pursuits of morning-after remedies.

The parallel narrative drawn from literary realms, such as in Douglas Adams' "The Hitchhiker's Guide to the Galaxy" and J.K. Rowling's "Harry Potter and the Sorcerer's Stone," although seemingly whimsical, resonates deeply with the digital dance observed in our study. The seemingly incongruous

sources mentioned in our literature review have imparted a rich tapestry of insights, leading us to appreciate the unexpected coherence between pure numerical musings and corporeal pursuits, mirroring the nuanced interplay between mathematical deliberations and the real-world repercussions of imbibed indulgences.

Our findings, in keeping with the playful spirit of this endeavor, not only corroborate the hitherto unexpected corollary between mathematically inclined online activities and the quest for hangover cures but also prompt a lighthearted contemplation of the serendipitous symphony of digital behavior. The tangible illustration of the correlation in Figure 1 offers a visual testament to the whimsical interplay between seemingly disparate pursuits, inviting a reimagining of the digital landscape as a stage for the unexpected pas de deux of intellectual inquiry and corporeal comfort-seeking.

As we unravel the hidden connections between potential remedies for revelry's aftermath and the captivating world of mathematical musings, the study evokes a sense of wonder at the quirkiness of digital behavior, inviting further explorations into the whimsical intermingling of unlikely bedfellows in the online sphere.

And just like a potent hangover cure, this study, too, invites us to savor the unexpected unity in its findings, serving as a delightful reminder that even amidst the rigorous pursuit of knowledge, there is always room for a light-hearted reflection on the delightful absurdities of the human experience.

CONCLUSION

In conclusion, our investigation has ferreted out a surprisingly robust correlation between the average views of Numberphile YouTube videos and Google searches for "how to cure a hangover." The notable correlation coefficient of 0.9346466 and the statistically significant p-value of < 0.01 signal a compelling connection between these seemingly unrelated corners of internet activity. The salient visual representation in Figure 1 not only serves to

underscore this unanticipated relationship but also prompts whimsical contemplation on the mysterious interplay between numerical ponderings and the search for solace after spirited indulgence.

The implications of these findings stretch past the digital frontier, offering a lighthearted lens through which to view the human pursuit of knowledge and relief. As we contemplate the blurry line between scholarly pursuits and the groans of morning-after reverie, a new chapter in the whimsical symphony of internet activities unfolds before us. It seems the digits of mathematical musings and the throbbing aftereffects of merrymaking are intertwined in an intangible embrace, beckoning forth a chuckle at the unexpected waltz of internet eccentricities.

In light of these resounding findings, we assert with confidence that no further research in this peculiar intersection is warranted. The quirky correlation between number ponderings and hangover remedies beckons us to raise a metaphorical toast to the colorful chaos of digital behavior and the unexpected harmonies that emerge from its midst. With this, we bid adieu to this most whimsical of academic pursuits, consigning it to the annals of delightfully eccentric correlations. Cheers to the enigmatic dance of digitized curiosity and convalescent contemplations!