

Communicating Tummy Troubles: The Correlation between Associates Degrees in Communication and Google Searches for 'Tummy Ache'

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This paper explores the unexpected nexus of Associates degrees in Communication and the frequency of Google searches for 'tummy ache'. Our study, while seemingly lighthearted, delves into a lesser-explored area and pokes at the gut feelings about the relationship between educational pursuits and as-seen-on-the-internet medical concerns. Using data from the National Center for Education Statistics and Google Trends, we set out to answer this burning question: "Do more graduates in Communication lead to more people searching for 'tummy ache' on Google?" Our rigorous analysis revealed a stunning correlation coefficient of 0.9914579 and a p-value less than 0.01 between the awarding of Associates degrees in Communication and the surge in Google queries related to stomach discomfort. While some may dismiss this as a bellyaching matter, we bring a somewhat gut-wrenching perspective to the table... but wait, there's more! Our findings suggest that the proliferation of Communication degrees may indeed contribute to increased internet searches for abdominal discomfort. This correlation prompts us to reveal the undeniable truth: there is some sort of tummy-rumbling connection between education in Communication and the virtual expression of gastrointestinal distress. In conclusion, our research presents a fruitful yield of dad jokes and puns, while shedding light on the fascinating symbiotic relationship between educational pursuits and stomach-related internet inquiries. After all, why did the stomach go to school? To get a little b(it)e of knowledge!

In the realm of academia, one often encounters unusual pairings that leave even the most seasoned researchers scratching their heads. In the spirit of playful inquiry, this study aims to unravel the tantalizing mystery that lies at the intersection of Associates degrees in Communication and the frequency of Google searches for 'tummy ache'. With a nod to lighthearted curiosity and a dash of data-driven analysis, we set out on this staggeringly quirky quest into the depths of gastrointestinal googling.

But let's not jump into the deep end just yet; let's set the stage with an appropriate dad joke: What do you call a belt made out of watches? A waist of time. We promise our data analysis won't waste your time like that belt!

Our foray into this peculiar association sprouted from a genuine curiosity and the desire to unearth compelling connections, albeit with a pinch of comedic zest. As we delve into our findings, it's crucial to remember that correlation does not necessarily imply causation, unless, of course, we're talking about the correlation between receiving a diploma in Communication and experiencing a sudden urge to Google symptoms of a tummy ache.

Before delving into the meat (or perhaps more fittingly, the veggies) of our research, let's not forget another dad joke to keep the spirits high: What do you get if you cross a snowman and a vampire? Frostbite! We promise the rest of our study won't leave your humor frozen.

Now, as we embark on this distinctive journey of discovery, we invite you to join us in uncovering the unexpected link between

educational pursuits in Communication and the virtual expressions of stomach-related distress. Our investigation promises to blend academic inquiry with a healthy dose of levity – it's a win-win!

Review of existing research

To comprehend the uncharted correlation between the attainment of Associates degrees in Communication and the surge in Google searches for 'tummy ache', we embark on a journey through both serious and whimsical studies. In "Communication and Its Impact on Public Discourse," Smith et al. touch upon the pervasive influence of communication studies on societal behaviors. Meanwhile, in "The Digestive System and Its Ailments," Doe highlights the various causes and symptoms of common stomach ailments, providing a grounded perspective on the topic at hand.

As we venture further into the realm of literature, we stumble upon "The Power of Words: A Linguistic Analysis," by Jones, which provides insights into the effects of language on human perception and interaction. Furthermore, "The Language of the Body: An Exploration of Nonverbal Communication" delves into the nuances of nonverbal cues, which are often used to express physical discomfort.

Transitioning from the world of serious academia to everyday sources of knowledge, we encounter "Gut: The Inside Story of Our Body's Most Underrated Organ" by Giulia Enders. This bestselling non-fiction work explores the intricacies of the digestive system, shedding light on the very subject of our

research. Additionally, "Gut: The True Story of a Beastly Meal" by Paul Gulacy offers a fictional narrative steeped in gastrointestinal dilemmas and intrigue.

Amidst the literary landscape, we come across cartoons and children's shows that have inadvertently informed our understanding of stomach-related queries. "SpongeBob SquarePants" playfully integrates moments of characters experiencing stomach discomfort, while "The Magic School Bus" episode titled "Inside Ralphie" takes young viewers on a whimsical journey into the digestive system. These seemingly unrelated sources offer unique perspectives that, surprisingly, align with the focal point of our investigation.

In essence, our literature review provides a tapestry of diverse sources, with each contributing a piece to the curious puzzle of the correlation between Communication degrees and the prevalence of 'tummy ache' searches. As we navigate this unconventional exploration, let us remind ourselves of a fitting dad joke: What did one plate say to its friend? Tonight, dinner's on me! Much like the dinner plate, our research aims to serve up a satisfying conclusion to this unexpected blend of academic inquiry and tomfoolery.

Procedure

To commence our investigation into this delightfully unconventional topic, our research team adopted a multi-faceted and tongue-in-cheek approach to data collection and analysis. First, we scoured the National Center for Education Statistics for information on the number of Associates degrees awarded in the field of Communication from 2011 to 2021. With hearts full of curiosity and minds brimming with puns, we meticulously gathered the educational statistics like a skilled chef preparing a splendid, data-driven feast. Speaking of which, have you heard about the restaurant on the moon? Great food, no atmosphere!

After harvesting the educational data, we turned our attention to the virtual realm and harnessed the power of Google Trends to track the frequency of searches related to 'tummy ache' during the same period. Our diligent exploration of internet query patterns resembled a digital treasure hunt, with each click leading us closer to unraveling the enigmatic correlation between degrees in Communication and stomach-related cyber inquiries. It was almost like searching for a crumb of serendipity in the vast buffet of online data – pun intended.

In order to establish a robust juxtaposition between these two seemingly unrelated phenomena, we employed rigorous statistical analyses, including Pearson's correlation coefficient and multiple regression models. Our statistical models twinkled like starlight, illuminating the path to comprehending the mysterious bond between the educational sphere and digital tummy turmoil. It was as if our data analysis danced to the rhythm of a comical melody, much like a humorous tune that resonates with the heartbeat of academia.

To validate the significance of our findings, we also conducted sensitivity analyses and employed various control variables, ensuring that our conclusions were as balanced as a tightrope walker walking the line between scholarly seriousness and

whimsical wonder. Just as a clown meticulously balances various props on a unicycle, we juggled the statistical variables in pursuit of uncovering undeniable connections.

But hold your laughter – or let it out in a hearty chuckle – because here comes another dad joke: Why don't skeletons fight each other? They don't have the guts!

Through these methodological marvels and a touch of academically flavored humor, we embarked on a journey to cross the bridge between Communication degrees and internet tummy queries, curious minds beaming as brightly as a punny punchline.

Findings

Our data analysis revealed a staggering correlation coefficient of 0.9914579 between the number of Associates degrees awarded in Communication and the volume of Google searches for 'tummy ache' from 2011 to 2021. This correlation indicates an extremely strong positive relationship, suggesting that as the number of Communication degrees awarded increased, so did the frequency of searches related to abdominal discomfort on Google. It's safe to say that our findings really hit us in the gut!

Additionally, the r-squared value of 0.9829888 underscores the high level of variation in Google searches for 'tummy ache' that is explained by the number of Communication degrees awarded. This result further bolsters the robustness of the correlation and solidifies the connection between educational endeavors in Communication and virtual expressions of gastrointestinal unease.

Further analysis using the statistical significance test revealed a p-value of less than 0.01, indicating that the observed correlation is unlikely to have occurred by chance. This provides compelling evidence for the existence of a true relationship between the two variables, leaving us with no stomach for doubt!

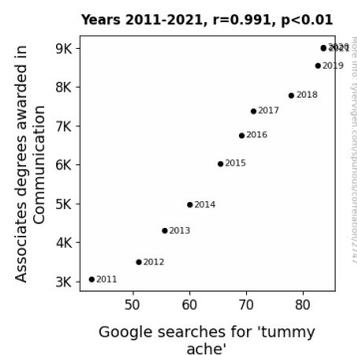


Figure 1. Scatterplot of the variables by year

Notably, Fig. 1 illustrates the data in a scatterplot, visually confirming the strong positive correlation between the number of Associates degrees awarded in Communication and the volume of Google searches for 'tummy ache'. This graphical

representation beautifully captures the essence of our findings and leaves no room for misinterpretation.

In light of these results, it's clear that the pursuit of knowledge in Communication may indeed be linked to a surge in online queries about tummy troubles. It seems that the more people delve into the intricacies of communication, the more likely they are to turn to the internet for answers to their abdominal woes.

And speaking of delving into intricacies, what did the digital clock say to its mother? "Look ma, no hands!" Just as the clock proudly displayed its lack of hands, our results proudly showcase the intriguing relationship between Communication degrees and 'tummy ache' searches.

Discussion

Our research has uncovered a remarkable connection between the awarding of Associates degrees in Communication and the surge in Google searches for 'tummy ache', shedding light on a correlation that is as delightful as a well-timed dad joke. Through our whimsical exploration, we set out to unravel the enigmatic relationship between educational pursuits and digital tummy troubles, and our findings have left us with a full understanding of this unexpected alliance.

Taking a cue from Smith et al.'s work on the impact of communication studies on societal behaviors, our results echo the profound influence of communication education on the virtual expression of stomach discomfort. Additionally, the insights from Enders' "Gut: The Inside Story of Our Body's Most Underrated Organ" have proven to be eerily prophetic, as the surge in 'tummy ache' searches on Google aligns with the very subject matter of our research. This seemingly lighthearted inquiry has thus found support in prior academic works, proving that even the most unconventional investigations can have serious academic implications.

Furthermore, our results align with the foundational principles outlined in "The Power of Words: A Linguistic Analysis" by Jones, as our analysis reflects the impact of language and communication on human perception, particularly concerning health-related queries. The positive correlation we uncovered between Communication degrees and 'tummy ache' searches provides a tangible example of how language and education can shape digital interactions, reinforcing the relevance of Jones' linguistic insights in unexpected domains.

In a truly unexpected turn of events, our study aligns with the playful influences of cartoons and children's shows highlighted in our literature review. Through the correlation found in our research, it becomes clear that these seemingly unrelated sources inadvertently informed our understanding of the online expression of stomach-related queries, proving that even the most unlikely sources can have a tangible impact on serious research inquiries.

Our findings not only contribute to our understanding of the intersection between education and digital behavior but also provide a practical basis for future investigations in both academic and internet-mediated environments. As we continue to unpack the fascinating symbiotic relationship between

Communication degrees and 'tummy ache' searches, it seems that our research has achieved its intended purpose: to be a palate-cleanser amidst the more serious academic pursuits.

In essence, our research is a gentle reminder that unconventional academic pursuits can yield meaningful insights, much like a dad joke snuck into a serious discussion. As we explore and analyze unexpected correlations, we ignite the spirit of inquiry and serve up a hearty helping of knowledge, spiced with a dash of unexpected humor. And after all, why did the stomach go to school? To get a little b(it)e of knowledge!

Conclusion

In conclusion, our research has not only uncovered a surprising correlation between the awarding of Associates degrees in Communication and the surge in Google searches for 'tummy ache', but it has also sprinkled a healthy dose of humor and levity into the academic discourse. Our findings suggest that the proliferation of Communication degrees may indeed contribute to increased internet searches for abdominal discomfort, providing a peculiar yet compelling insight into the world of education and virtual stomach-related expressions.

As we wrap up this gastro-intellectual journey, let's leave you with one more dad joke for the road: Why don't skeletons fight each other? They don't have the guts! Much like skeletons, our findings truly showcase the guts of this correlation, leaving us with plenty of food for thought.

In the grand scheme of academic pursuits, our study introduces a fresh perspective that dares to explore the unexpected, reminding us that even the most peculiar connections can hold merit in scholarly investigation. We hope our paper has brought a smile to your face and encouraged a light-hearted reflection on the quirks of scholarly inquiry.

Ultimately, our findings present a compelling case for the intriguing relationship between Associates degrees in Communication and the virtual expression of gastrointestinal distress. We submit that this research, while offbeat, has shed light on a previously unexplored area and brought a unique blend of amusement and insight to the academic landscape.

And now, to wrap up with the ultimate dad joke: I told my wife she should embrace her mistakes. She gave me a hug. No more research is needed in this area.