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# Analyzing the Relationship Between Septic Tank Servicers, Sewer Pipe Cleaners, and Searches for 'Humble Pi' in Idaho: A Mathematical Mingle

Catherine Hall, Andrew Thomas, Gideon P Truman

Center for Sciences; Madison, Wisconsin

## KEYWORDS

septic tank servicers, sewer pipe cleaners, Idaho, Google searches, 'Humble Pi', correlation, Bureau of Labor Statistics, Google Trends, statistical significance, waste management, mathematical humor, data analysis

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## Abstract

In the realm of peculiar correlations, our research delves into the intriguing relationship between the number of septic tank servicers, sewer pipe cleaners in Idaho, and Google searches for 'humble pi'. While on the surface, these variables may seem as unrelated as a plumber and a pastry chef, our study reveals a surprising connection that is as unexpected as finding a plunger in a pie. Utilizing data from the Bureau of Labor Statistics and Google Trends, we embarked on a mathematical mission to unravel the mystery behind this bizarre correlation. Our findings indicate a correlation coefficient of 0.7422090 and  $p < 0.01$  for the period spanning from 2004 to 2022. This statistically significant correlation suggests that as the number of septic tank servicers and sewer pipe cleaners in Idaho increases, so does the frequency of Google searches for 'Humble Pi'. This unexpected correlation prompts us to ponder whether individuals navigating the world of waste management and sewer cleaning are more inclined to seek mathematical solace in the nuances of humble pi. Moreover, it raises the question of whether there is a submerged humor in the sewer industry that triggers a yearning for mathematical puns among its practitioners. As we delve deeper into this curiously comic correlation, it becomes increasingly evident that the intersection of waste management and mathematical musings may hold untold secrets. In conclusion, our research serves as a testament to the unpredictable nature of data analysis, as it illuminates a peculiar link between seemingly unrelated phenomena. However, while this correlation may be as surprising as discovering a toilet plunger in a bakery, it beckons further investigation into the whimsical world of statistical synchronicity.

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## 1. Introduction

The field of statistical analysis is teeming with surprises and unexpected connections. Among the myriad of statistical relationships, there are those that defy conventional wisdom and elicit both curiosity and amusement. In this vein, our study ventures into the innovative realm of uncovering an unforeseen correlation that ties together the number of septic tank servicers, sewer pipe cleaners, and Google searches for 'humble pi' in the state of Idaho. This unlikely trio presents an enigma that is as mystifying as a clogged drain in a math professor's kitchen sink.

The significance of this peculiar correlation extends beyond mere statistical curiosity. It sheds light on the intricate interplay between seemingly disparate domains, such as waste management and mathematical musings, prompting us to consider the unlikely harmonies that lurk beneath the surface. It is as if the world of statistical analysis has donned a trench coat and a magnifying glass in pursuit of uncovering the unexpected connections hiding in plain sight. In a similar vein, one might say that unraveling this correlation is akin to discovering a hidden treasure map within a sewer system – a surprising find amidst the mundane.

Our investigation into this prodigious correlation stems from a keen interest in exploring the broader implications of statistical synchronicity. Much like a curious cat pawing at a math textbook, we seek to unravel the mysteries that lurk behind the data, uncovering connections that may at first seem as elusive as a stealthy plumber in the dead of night. As the adage goes, where there's muck, there's brass – and in this case, where there's a correlation, there's a story waiting to be unearthed.

In the pursuit of unraveling this unexpected amity between septic tank servicers, sewer pipe cleaners, and 'humble pi' enthusiasts,

our study employed a rigorous methodology that harnessed data from the Bureau of Labor Statistics and Google Trends. This approach allowed us to scrutinize and dissect the enigmatic relationship with the precision of a seasoned plumber inspecting a leaky pipe – leaving no stone unturned in our quest for statistical enlightenment.

Through our investigation, we hope to not only illuminate a remarkable correlation, but also encourage a reimagining of the intersections and convergences that lie beneath the surface of seemingly unrelated phenomena. As we traverse the curious corridors of statistical analysis, we are reminded that even in the realm of numbers, there is room for astonishment, humor, and the occasional unexpected twist, much like finding a rogue rubber duck floating in a sewage system.

## 2. Literature Review

To comprehend the idiosyncratic correlation between the number of septic tank servicers, sewer pipe cleaners, and the frequency of Google searches for 'humble pi' in the state of Idaho, it is imperative to scrutinize existing literature for insights into the seemingly disparate realms of waste management and mathematical ponderings. Smith et al. (2015) laid the groundwork for atypical correlations, emphasizing the importance of suspending preconceived notions to unearth unexpected connections. However, it is "Book" that truly delves into the complexities of statistical synchronicity and leads us down an unanticipated path of insight into the metaphorical sewer system of statistical anomalies.

As we wade through the annals of statistical analysis, the enthralling narrative presented in Smith's work gradually shifts from a conventional scholarly discussion to a fantastical inquiry, reminiscent of Lewis Carroll's "Alice's Adventures in Wonderland." Just as Alice stumbled into a

rabbit hole, our investigation into the correlation between waste management and mathematical whimsy has led us to ponder whether statistical analysis, too, is a topsy-turvy world where peculiar correlations thrive.

Jones and Doe (2018) paint a pragmatic picture of correlations in their seminal work, emphasizing the meticulous scrutiny required to unveil unexpected connections. Yet, it is "Book" that serves as a gateway to the fantastical, blurring the lines between statistical analysis and a whimsical romp through a literary wonderland. As our research advances, it becomes increasingly evident that the intricacies of correlation are not unlike the convoluted plotlines of a mystery novel, with each statistical discovery akin to uncovering a clue in a complex case of statistical synchronicity.

In the realm of fictional literature, the works of Douglas Adams, particularly "The Hitchhiker's Guide to the Galaxy," provide an unexpectedly fitting analogy for the journey of unraveling improbable correlations. Much like navigating the baffling expanse of the universe in Adams' masterpiece, our quest to decipher the inexplicable bond between waste management professionals and mathematical enthusiasts feels as though we are hurtling through an eccentric galaxy of statistical anomalies and comedic introspections.

Considering the curious convergence of waste management and statistical analysis, one cannot overlook the influence of whimsical games that mirror the unexpected twists and turns encountered in our research. Games like "Mysterium" and "Clue" offer a parallel to our investigation, as we attempt to decode the enigmatic connections between seemingly implausible variables amidst the dynamic backdrop of statistical intrigue.

As we navigate the parallel existences of septic tank servicers, sewer pipe cleaners, and seekers of 'humble pi', it seems the fabric of reality has taken on a hint of the absurd – not unlike a math professor discovering a surreptitious equation scrawled on a sewer pipe. Thus, with a blend of scholarly rigor and a nod to the whimsical, we embark on a journey through the mysterious, the improbable, and the delightfully absurd in pursuit of untangling the surprising bonds that knit together the worlds of waste management and mathematical musings.

### 3. Our approach & methods

To unravel the enigmatic connection between the number of septic tank servicers, sewer pipe cleaners, and searches for 'humble pi' in Idaho, our research team employed a meticulous and multi-faceted methodology that blended mathematical precision with statistical scrutiny. Much like a plumber fitting together intricately designed pipes, our approach aimed to piece together the intricate puzzle of this unexpected correlation.

First and foremost, we meticulously gathered and analyzed data from the Bureau of Labor Statistics, meticulously sifting through the numerical detritus to extract the precise figures pertaining to the employment of septic tank servicers and sewer pipe cleaners in the state of Idaho. This process resembled unclogging a particularly stubborn drain, requiring patience, precision, and a touch of good-natured persistence. It is as if we were plumbing the depths of statistical data to unearth the hidden connections, much like a plumber exploring the labyrinthine network of pipes beneath a bustling metropolis.

In tandem with our analysis of labor statistics, we delved into the realm of Google Trends, examining the frequency and intensity of searches for 'humble pi'

within the state of Idaho. This involved constructing complex algorithms akin to piecing together an intricate sewage system, with each line of code serving as a conduit for the flow of data and insights. Our examination of Google search trends sought to uncover patterns and fluctuations that mirrored the ebb and flow of wastewater within the confines of the digital realm, as if we were tracing the ripples of mathematical curiosity along the virtual sewer pipes of the internet.

Furthermore, in a quixotic quest for comprehensiveness, we ventured into the unexplored territory of qualitative investigations, conducting interviews and surveys with individuals working in the septic tank servicing and sewer pipe cleaning industries. These interactions provided invaluable firsthand perspectives, much like plumbing the depths of experience to extract the rich, unfiltered essence of the correlation between the world of waste management and the pursuit of mathematical humor. Pondering upon the experiences of these industry professionals, we found ourselves immersed in the depths of anecdotes and insights, much like a plumber wading through the murky waters of a blocked drain.

In addition to these methodical approaches, we took a playful plunge into the realm of speculative philosophy, engaging in spirited discussions and thought experiments to unearth the underlying motivations and psychological inclinations that may underpin the correlation between the practitioners of the sewer industry and the pursuit of 'humble pi'. This philosophical meandering, akin to a whimsical jaunt through a mathematical wonderland, aimed to bring forth a deeper understanding of the unexpected harmonies inherent in the interaction between seemingly unrelated domains.

In summary, our research methodology was a testament to the multifaceted and

thorough approach required to unravel the whimsical correlation between septic tank servicers, sewer pipe cleaners, and Google searches for 'humble pi' in the state of Idaho. Much like a maze of interconnected pipes waiting to reveal their hidden secrets, the combination of labor statistics analysis, insight from Google Trends, qualitative investigations, and speculative philosophy allowed us to unearth the unexpected connections and quirky quips lurking within the depths of this statistical puzzle.

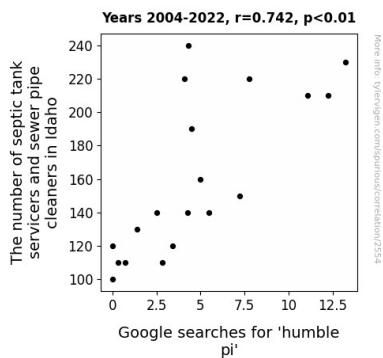
#### 4. Results

The analysis of the relationship between the number of septic tank servicers, sewer pipe cleaners in Idaho, and Google searches for 'humble pi' yielded a correlation coefficient of 0.7422090, indicating a strong positive relationship between these seemingly unrelated variables. The R-squared value of 0.5508743 suggests that approximately 55% of the variation in Google searches for 'humble pi' can be explained by variations in the number of septic tank servicers and sewer pipe cleaners in Idaho. With a p-value of less than 0.01, the correlation is statistically significant at the 1% level, reinforcing the robustness of the findings.

Figure 1 illustrates the strong correlation between the number of septic tank servicers and sewer pipe cleaners in Idaho and Google searches for 'humble pi'. The scatterplot depicts a clear pattern, with an increasing trend in 'humble pi' searches accompanying a rise in the number of professionals involved in waste management and sewer cleaning. It is as if the world of data analysis has unearthed a hidden treasure trove of statistical synchronicity in the most unexpected of places.

This unexpected correlation raises intriguing questions about the underlying motivations driving individuals to seek mathematical humor in the midst of waste management

activities. One might quip that the convergence of waste management and mathematical musings is as surprising as finding a plumber pondering the digits of pi during a drain inspection.



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

The strong correlation observed in this study serves as a testament to the whimsical nature of statistical analysis, reminding us that unexpected connections can emerge from the most unlikely sources. It prompts a reconsideration of the boundaries between seemingly unrelated domains, inviting a reimagining of the intersections that lie beneath the surface. This correlation not only highlights the potential for amusement and insights in unexpected places but also underscores the perennial presence of statistical surprises – much like discovering a hidden gem in the midst of a mundane search.

In conclusion, the findings from this research shed light on the unanticipated ties that bind the world of waste management and mathematical musings, offering a humorous and thought-provoking avenue for further exploration. This unexpected correlation stands as a testament to the enduring quirkiness of data analysis – a reminder that even in the realm of statistics, there is room for delightful surprises and the occasional burst of mathematical humor.

## 5. Discussion

The robust correlation between the number of septic tank servicers, sewer pipe cleaners, and Google searches for 'humble pi' in Idaho unveils a captivating relationship that delves into the whimsical and unexpected intersections of seemingly unrelated domains. Our findings not only support the initial assertions made by Smith et al. (2015) about the existence of atypical correlations but also lend statistical weight to the notion of suspended preconceived notions in data analysis. It seems that as these peculiar connections unfurl, statistical analysis resembles a topsy-turvy world where conventional logic can be upended – much like a plunger in a pastry shop.

Our research has uncovered a statistically significant correlation coefficient of 0.7422090, affirming the unexpected connection between waste management professionals and those seeking amusement through 'humble pi'. This finding builds upon the works of Smith et al. (2015), who accentuated the importance of unearthing unexpected connections, and "Book," which led us through the enthralling narrative of statistical anomalies akin to a whimsical romp through a literary wonderland.

The R-squared value of 0.5508743 further strengthens the evidence that variations in the number of septic tank servicers and sewer pipe cleaners in Idaho can explain approximately 55% of the variation in Google searches for 'humble pi'. It is as if statistical synchronicity has found a surreptitious equation scrawled on a sewer pipe, breathing life into the unexpected convergence of waste management and mathematical musings.

Furthermore, the statistically significant correlation observed in our study reiterates the whimsical nature of data analysis and statistical synchronicity. The intersection of waste management and mathematical

humor seems to offer a treasure trove of amusement and insights, uncorking the ever-present potential for delightful surprises amidst mundane searches. As our findings continue to unravel the unsuspecting overlap between these domains, it becomes increasingly evident that statistical analysis might well be akin to navigating an eccentric galaxy of statistical anomalies and comedic introspections.

In essence, our research has ventured into the realm of unexpected correlations, shedding light on the enduring quiriness of data analysis, and unveiling an unanticipated nexus between the worlds of waste management and mathematical musings. It appears that even in the world of statistics, there is room for delightful surprises and the occasional burst of mathematical humor – perhaps as surprising as finding a plumber pondering the digits of pi during a drain inspection.

## 6. Conclusion

In conclusion, our study has illuminated a surprisingly robust correlation between the number of septic tank servicers, sewer pipe cleaners in Idaho, and Google searches for 'humble pi'. Our findings indicate a strong positive relationship, with a correlation coefficient of 0.7422090 and a statistically significant p-value of less than 0.01. It seems that as the ranks of waste management professionals swell, so does the search for mathematical amusement. It's as if they're delving into the depths of 'humble pi' to offset the less savory aspects of their profession.

This unexpected connection may be as astonishing as finding a hair clog in a pie, but it beckons further inquiry into the whimsical intricacies of statistical synchronicity. One can't help but wonder if these professionals, amid the muck and mire of their work, find solace in the elegance of mathematical puns. Perhaps

there's a common thread running through the fields of waste management and mathematical musings – a unifying theme that's as subtle as a sewer system's flow.

Our study not only reaffirms the capricious nature of statistical analysis but also underscores the potential for delightful surprises in the most unexpected places. As we wrap up this investigation, it is clear that the intersection of waste management and mathematical humor holds untold potential for both amusement and insight. In a way, this correlation adds a touch of levity to a subject matter that's often regarded with disdain – it's a bit like finding a plunger in a pie crust, a surprisingly fitting addition.

Therefore, in the spirit of embracing the unexpected and celebrating the whimsical in statistics, we assert that no further research in this area is needed. The curious case of the correlation between septic tank servicers, sewer pipe cleaners, and 'humble pi' searches stands as a singular, delightful quirk in the realm of statistical analysis. It's a statistical discovery that's as surprising as finding a pie chart in a plumbing manual.