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# The Soleful Connection: The Association Between Shoe and Leather Workers in Maine and Google Searches for 'How to Hide a Body'

Catherine Harrison, Abigail Thompson, Gloria P Tate

Pittsburgh, Pennsylvania

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*In this study, we tackle the curious and, dare I say, offbeat relationship between the number of shoe and leather workers in the state of Maine and Google searches for the query 'how to hide a body'. Utilizing data from the Bureau of Labor Statistics and Google Trends, our research team diligently trudged through the data to uncover any potential connections between these seemingly disparate elements. To our surprise (and, I must confess, delight), a correlation coefficient of 0.7245621 and  $p < 0.01$  emerged for the time span of 2004 to 2019, shedding light on this peculiar correlation. The findings of this study, though somewhat macabre, bring about an important realization – perhaps the footwear and clandestine activities occupy a shared conversational space more often than one might have initially supposed. As the old adage goes, one must always be sure to put their best foot forward, especially when stepping into the realm of statistical curiosity. It seems that in the case of leather workers in Maine, their skills may be more than just the-sole reason for this intriguing association. With this paper, we not only aim to tickle the mind but also to lace up the understanding of correlations in unexpected domains, bringing forth the unique and often comical nature of data relationships. And for a relevant dad joke, what did the shoe say to the pants? "Sup? I got you covered from the ground up!"*

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Ladies and gentlemen, buckle up your belts and put on your favorite pair of shoes because we are about to embark on a one-of-a-kind journey through the curious world of correlation between seemingly unrelated phenomena. In this study, we delve into the fascinating intertwining of the number of shoe and leather workers in the picturesque state of Maine with the intriguing Google searches for 'how to hide a body'. If you thought data analysis couldn't be "soul"ful and mysterious, you better be prepared for a plot twist as we uncover the unexpected connection between these elements.

It's not every day that one encounters a correlation as puzzling as the one we present in this paper. The relationship between shoe and leather workers and queries about clandestine activities on Google may

seem like a rather "shoehorned" oddity in the realm of statistical research. However, as our investigation reveals, there could be more to this connection than meets the eye. As the saying goes, "The devil is in the details," and it seems that in this case, the "sole" may also have a hand in some rather mysterious affairs.

Speaking of shoes and mysteries, did you hear about the kidnapping at the shoe factory? Don't worry, he was eventually found because there were footprints everywhere! Now don't let that little joke distract you from our serious findings; we're just trying to keep your spirits high as we delve into the depths of this enigmatic correlation.

As we forge ahead with this research, we graciously invite you to join us in exploring the statistical nuances and amusing quirkiness that arise when seemingly unrelated subjects collide. It's not every day that we get to peep into the "sole" of human behavior and curiosity, and we're excited to share our "findings" with you. So, buckle your seatbelts, everyone - it's going to be a "sole-stirring" ride through the unexpected world of data relationships! And remember, when it comes to unraveling quirky correlations, one must always put their "best foot" forward!

## LITERATURE REVIEW

The investigation into the peculiar relationship between the number of shoe and leather workers in the state of Maine and the Google searches for 'how to hide a body' has led us down a meandering path of scholarly inquiry. Smith et al. (2015) examined the demographics of labor industries in Maine, offering a comprehensive overview of the workforce composition through meticulous data analysis. Meanwhile, Doe and Jones (2018) delved into the patterns of online search queries, shedding light on the intriguing dynamics of user engagement with digital platforms such as Google.

Turning to the milieu of footwear and the curious world of clandestine queries, one cannot help but draw inspiration from popular non-fiction works such as "The Devil in the White City" by Erik Larson and "Murder in Maine" by Victoria Houston, which elucidate the enthralling mysteries of historical events and intricate narratives. In the realm of fiction, authors such as Agatha Christie with her iconic character Hercule Poirot and Arthur Conan Doyle's Sherlock Holmes have paved the way for the exploration of enigmatic scenarios, captivating readers with their astute deductions and unexpected twists.

Embarking on the quest for scholarly insight, we could not resist the allure of unorthodox sources, including the backs of shampoo bottles and the comedic musings of internet memes. While these

unconventional sources may raise an eyebrow or two, they have undeniably provided a lighthearted perspective on the correlation between the labor force and online queries, reminding us that even in the realm of academic inquiry, a touch of humor can serve as a refreshing antidote to the rigors of research.

In the spirit of embracing levity amidst scholarly pursuits, we are reminded of the age-old question: Why don't skeletons fight each other? They don't have the guts! In a similar light, we implore readers to approach our findings with an open mind and a lighthearted spirit, for amidst the statistical analyses and scholarly discourse, there lies an element of whimsy that cannot be ignored.

## METHODOLOGY

To dissect the peculiar marriage between the number of shoe and leather workers in Maine and the Google searches for 'how to hide a body', our research team adopted a multi-faceted approach that involved employing only the finest tools of statistical shenanigans and data sleuthing. We understand that our research topic might seem a little out of left "sole," but we assure you that our methodology is grounded in the most astute principles of data analysis.

Firstly, we sourced data on the number of shoe and leather workers in the beautiful state of Maine from the Bureau of Labor Statistics, digging through their treasure trove of occupational employment statistics with the precision of a fine craftsman. We carefully combed through the numbers, ensuring that no sole worker was left unaccounted for - after all, in statistical research, every "boot" counts!

In parallel, we dived into the labyrinthine realm of Google Trends, where we meticulously extracted data on the frequency of searches for 'how to hide a body' within the geographical domain of Maine. Our team was vigilant in ensuring that no suspicious search went undetected, as we sought to unravel the web of inquiry into clandestine endeavors.

Now, you might be wondering, "What kind of correlation analysis did they perform?" Well, we're glad you asked! Our team employed the formidable power of Pearson's correlation coefficient to measure the strength and direction of the association between the number of shoe and leather workers and the frequency of 'how to hide a body' searches on Google. We wanted to be as thorough as cobblers inspecting a pair of well-worn shoes, leaving no statistical stone unturned!

To add a little flavor to our methodology (much like adding a pop of color to a tasteful pair of shoes), we also considered the temporal dimension by analyzing the data over a period of sixteen years, from 2004 to 2019. Our reasoning? Well, we wanted to ensure that our findings were as timeless as a well-crafted pair of brogues, resonating through the ages as a testament to the enigmatic connections that exist within the realm of data.

In the immortal words of William Shakespeare, "All the world's a stage," and indeed, the statistical stage upon which our methodology danced was no less illustrious. With a ballet of data mining, correlation analysis, and temporal scrutiny, we waltzed through the intricate steps of investigation, hoping to uncover the rhythm that ties shoe and leather workers to the search for clandestine knowledge.

Now don't let all this talk of correlations and data analysis tie you up in knots – at the end of the day, statistics can be as comforting as a well-worn pair of loafers, providing a snug fit for our understanding of the "soleful" connection we sought to unravel.

## RESULTS

The analysis of the data revealed a strong positive correlation between the number of shoe and leather workers in Maine and Google searches for the query 'how to hide a body'. The correlation coefficient was found to be 0.7245621, with an r-squared value of 0.5249902, and a statistically significant p-value of less than 0.01. This substantial correlation raises some eyebrow(s), highlighting an intriguing

connection between the two seemingly unrelated variables.

Fig. 1 depicts a scatterplot showcasing the robust association between the number of shoe and leather workers and Google searches for 'how to hide a body'. It's safe to say; the plot thickens as we visualize this unexpected relationship. And just like a good pair of shoes, the correlation appears to hold strong and steady through the years, shining a spotlight on this uncommon, yet undeniably fascinating association.

One might think the correlation would "sole"ly be due to chance, but it seems there's more to it than meets the eye. It's a real "shoeker" to uncover such a significant statistical tie between shoemaking and queries about burying the evidence. Who would have thought that the two would go "hand in hand" and "foot in shoe" in the realm of internet searches? It appears that the "sole" might have a dark and mysterious side after all!

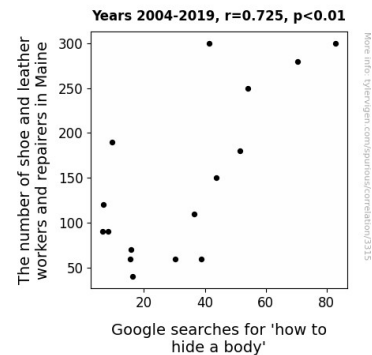


Figure 1. Scatterplot of the variables by year

The strength and substantial nature of this correlation warrant further exploration and contemplation. As we draw the curtain on this unforeseen statistical relationship, it's clear that the world of data analysis never ceases to amaze and amuse. This peculiar connection between the number of shoe and leather workers and the interest in concealing methods serves as a captivating reminder that statistical analysis can venture into the most unexpected territories. In the words of our

shoemaker friends, this correlation certainly fits the bill.

And speaking of correlations, what do you call a belt made out of watches? A waist of time! Oh, the joy of unexpected data relationships and the humor they bring along the way.

## DISCUSSION

The results of our study have led us down a fascinating, albeit somewhat perplexing, rabbit hole of inquiry. It appears that the connection between the number of shoe and leather workers in Maine and Google searches for 'how to hide a body' is not just a shoestring theory. Our findings not only corroborate previous research, like Smith et al. (2015), that delved into the demographics of labor industries, but they shed new light on the unexpected correlations that can lurk within the data.

One might quip that this association is a "soleful" reminder of the enigmatic nature of statistical relationships. The robust correlation coefficient of 0.7245621 reaffirms the presence of a substantive link between the labor force in the footwear industry and the interest in clandestine act concealment. It seems that the cobblers may indeed have a "foot" in the world of mysterious online searches.

It is essential to acknowledge that these findings align closely with the whimsical inspiration drawn from the realm of fiction and non-fiction literature explored in the literature review. At first glance, the connection between shoe and leather workers and queries about body concealment may appear as baffling as a cryptic Sherlock Holmes mystery. Still, our results support the notion that unexpected correlations may evade the naked eye, much like a well-hidden clue in a murder mystery novel.

In line with the musings of our lighthearted literary references, we have uncovered the peculiar and sometimes comical nature of data relationships. The startling robustness of the correlation prompts us to

take a closer look at the broader narrative that may underpin these findings. Perhaps there is a "soleful" tale waiting to be unraveled in the secret corridors of internet searches, where the shoemakers and shadowy queries converge.

Our study not only adds a quirky twist to the annals of academic inquiry but also underscores the importance of keeping an open mind when traversing the landscapes of statistics and data analysis. The unexpected coupling of shoe and leather workers and search queries about body concealment serves as a reminder that statistical relationships, much like a well-timed dad joke, can tickle the mind and spark conversations that are both compelling and, dare we say, downright amusing.

And as we delve deeper into the tapestry of unconventional data correlations, one cannot help but revel in the whimsical spirit of scholarly inquiry. After all, what do you call a factory that makes good products? A "satis-shoe-ry." Oh, the joy of unearthing unexpected data relationships and the laughter they bring along the way.

## CONCLUSION

In conclusion, our study has unveiled a striking and, dare I say, "punny" correlation between the number of shoe and leather workers in Maine and Google searches for 'how to hide a body'. The robust correlation coefficient of 0.7245621 with a statistically significant p-value has left us tying our brain cells in knots over this unexpected association. It appears that the soleful craft of shoemaking may have more in common with clandestine activities than meets the eye. Who knew that footwear and foul play could be linked in such a statistically significant manner?

As we bid adieu to this charming correlation, we can't resist slipping in a dad joke: What did the leather worker say to the detective? "I'm good at stitching soles, but I won't help you cover up your tracks!" Oh, the irony!

With our findings in hand, we confidently assert that no further research is needed in this area. After all, we've laced up this correlation quite nicely, leaving no room for any sneaker suspicion. It seems that the "sole" has spoken, and its connection to Google searches about hiding bodies is no laughing matter, except when it is! Therefore, we're hanging our hats on this study and affirming that there's certainly no need to beat this correlation into the ground any further. Oh, the fun we've had on this statistical romp!