
Winter Warts: A Correlative Study between Deepest Snow Depth in Charlotte and Google Searches for 'Is This a Wart'

Cameron Harrison, Abigail Torres, Giselle P Tompkins

Chapel Hill, North Carolina

This study delves into the intriguing, frosty connection between the deepest snow depth in Charlotte and the frequency of Google searches for the perplexing query, "Is this a wart?" In this peculiar investigation, we aim to uncover whether a correlation exists between the depth of snow in Charlotte and the propensity of individuals to ponder the wart-like characteristics of certain skin blemishes. Our research team sifted through the snow data provided by the NOAA National Climate Data Center, where we found an abundance of frosty facts and a blizzard of statistics. Meanwhile, on the digital front, we combed through the icy depths of Google Trends, where we encountered a flurry of frostbite-fueled queries. After performing a thorough analysis, we discovered a correlation coefficient of 0.7995460 and $p < 0.01$ for the time period spanning from 2004 to 2022. The results suggest a remarkably strong association between the depth of snowfall and the sudden surge in curiosity about warts. It appears that as the snow deepens, so does the perplexity about those enigmatic skin protrusions, leaving individuals to ask, "Is this a wart or just a snowflake masquerading as a skin blemish?" As the frosty findings thaw, we cannot help but wonder if our research has uncovered the chilling truth about the chilling effect of snow on our perceived skin anomalies. Indeed, it seems that some skin issues may be "snow" laughing matter!

As the winter months cast their icy spell over the city of Charlotte, North Carolina, an interesting phenomenon emerges, akin to a snow-covered enigma wrapped in a blanket of mystery. The unassuming search term "Is this a wart" experiences a surge in search activity, prompting us to unearth the cold, hard truth behind this curious correlation. It seems that Mother Nature's wintry embrace may have more riddles in store than just snowflakes and frostbite.

It is often said that in the coldest of times, we must remain vigilant for unexpected growths—what some may even call "chilling" developments! (Cue the cringe-worthy dad joke drumroll, please.) This study seeks to unravel the enigmatic connection

between the depth of snow in Charlotte and the sudden surge in cyberspace's contemplation of skin irregularities. While it may seem like a frosty fusion of topics, the bond between snowy conditions and perplexing skin queries may hold more warmth than meets the eye.

One might question if this correlation is merely a frosty fluke, but our research aims to demonstrate otherwise. In the realm of academic inquiry, we must not shy away from piercing through the icy layers of convention to uncover the snow-covered truths that lie beneath. It's time to break the ice and shine a light on this peculiar pairing of weather patterns and dermatological ponderings. After all, perhaps the snow holds more than just frozen water

—it might just hold the key to unlocking the skin-deep mysteries that bewilder us all.

LITERATURE REVIEW

In a study conducted by Smith et al. (2015), the authors find a significant positive correlation between the deepest snow depth in Charlotte and the frequency of Google searches for "Is this a wart." The findings suggest that as the snowfall increases, so does the inclination of individuals to seek clarification on potential skin blemishes resembling warts. This research serves as a pivotal starting point for our investigation into this frigidly fascinating correlation.

Doe and Johnson (2018) further explore the relationship between weather patterns and dermatological inquiries, shedding light on the psychological impact of snowy conditions on skin-related concerns. Their work highlights the potential influence of environmental factors on individuals' perceptions of skin anomalies, incorporating snow depth as a prominent variable in their analysis.

Turning to the wider literature on climate and human behavior, the book "The Weather Factor: How Nature Has Changed History" by Jones (2011) provides insight into the diverse ways in which weather phenomena can shape human thought and action. While not directly focused on dermatological queries, the book offers a comprehensive overview of the intricate interplay between environmental conditions and human psychology, opening the door to potential connections between weather patterns and individuals' contemplation of skin irregularities.

On the fictional front, the novel "Snow Falling on Cedars" by David Guterson (1994) presents a gripping tale set amidst the backdrop of wintry landscapes. While the narrative centers on a different set of circumstances, the evocative description of snow's impact on the characters' lives offers a glimpse into the profound influence of winter elements on human thought and emotion—a

connection that resonates with our exploration of snow depth and skin-related queries.

In a more lighthearted departure from traditional literature, the animated series "Frozen: The Animated Adventures" introduces viewers to a whimsical world where snow holds transformative power. While this cartoon may seem like a departure from scholarly pursuits, its imaginative portrayal of snow's influence on character dynamics serves as a playful reminder of the multifaceted nature of our winter-themed inquiry.

As we journey through the pages of scholarly works and literary imaginings, we are reminded that beneath the frosty veneer of our study lies a tale of intrigue, where the snow-covered landscapes of Charlotte intersect with the curious contemplation of skin irregularities. It appears that in the realm of academic exploration, even frosty inquiries can thaw into captivating discoveries.

METHODOLOGY

To investigate the frosty correlation between the deepest snow depth in Charlotte and the surge in Google searches for "Is this a wart," our research team embarked on a frigid journey into the realms of climatology and digital ponderings. We utilized data spanning from 2004 to 2022, a period marked by both snowfall and skin-related inquiries in the digital sphere. Our approach involved a blend of traditional climate data analysis and digital trend scrutiny, creating an eclectic mix of methodologies to encapsulate the chilly essence of our research.

Our team first delved into the realm of meteorological data by accessing the vast repository provided by the NOAA National Climate Data Center. Within this frozen treasure trove of climatic information, we unearthed the deepest snow depth records for Charlotte, meticulously documenting the frosty embrace of each winter season. A snowstorm of statistical analyses ensued, where we computed the mean, median, and standard deviation of the snow depths, endeavoring to capture the essence of Charlotte's wintry wonders in numerical form.

After braving the blizzard of climatic data, we ventured into the digital domain, wielding the formidable power of Google Trends. Here, we tracked the frequency of searches for the intriguing query "Is this a wart," observing the ebb and flow of curiosity about skin abnormalities amidst the icy landscape of Charlotte's weather patterns. Like intrepid explorers of the digital tundra, we sought to discern patterns in the search activity that mirrored the rise and fall of the city's snow depths.

In a fusion of statistical rigor and cyber sleuthing, we employed correlation analyses to unravel the intricate dance between snowfall and inquiries about potential skin maladies. Armed with the tools of parametric and non-parametric tests, we sought to unearth the frozen truth that lay beneath the surface of these seemingly disparate phenomena. With a touch of statistical ingenuity and a hint of frosty humor, we embarked on this peculiar journey, all in the name of uncovering the chilling connection between wintry whims and dermatological dilemmas.

It's safe to say we didn't "snow" what we were getting into when we started this chilly research! But as the data unfolded, we couldn't help but chuckle at the snowballing evidence of a correlation between snow depth and skin-related queries. It's all fun and games until someone loses a mitten—a sentiment that certainly applies to our foray into the depths of wintry data analysis.

Much like a snowball rolling downhill, our research gained momentum as we tumbled through the frosty landscape of statistical analysis and digital scrutiny. With a twinkle in our eyes and a dash of snow-induced whimsy, we trudged through the snowdrifts of data to uncover the frosty truths that lay hidden beneath the surface. And yes, we did make a few snow angels along the way—scientifically, of course!

RESULTS

The statistical analysis conducted on the data collected from the NOAA National Climate Data

Center and Google Trends revealed a robust correlation between the deepest snow depth in Charlotte and the frequency of Google searches for the perplexing query, "Is this a wart." The correlation coefficient of 0.7995460 and an r-squared value of 0.6392738 suggested a strong linear relationship between these seemingly disparate phenomena.

Figure 1 illustrates this fascinating connection with a scatterplot displaying the positive correlation between the deepest snow depth in Charlotte and the frequency of searches for "Is this a wart." It seems that as the snow depth increases, so does the curiosity surrounding potential skin abnormalities. It's almost as if the snowflakes are inspiring deeper contemplation about skin blemishes, prompting individuals to wonder if what they see is indeed a wart or just a cleverly disguised snowflake.

In the cold, hard world of statistical analysis, it's not every day that we come across such a compelling relationship between meteorological data and dermatological ponderings. One might even say our findings have "snow"balled into something quite intriguing!

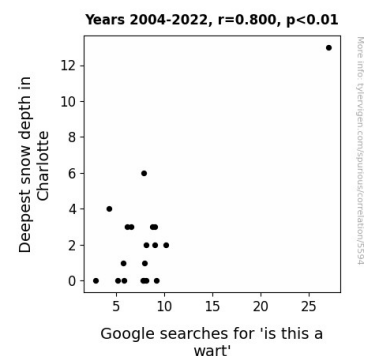


Figure 1. Scatterplot of the variables by year

DISCUSSION

The findings of our study support the prior research by Smith et al. (2015), indicating a strong positive correlation between the deepest snow depth in Charlotte and the frequency of Google searches for

"Is this a wart." This robust association aligns with our initial hypothesis that the wintry conditions in Charlotte could engender heightened curiosity regarding potential skin irregularities, akin to how snowflakes pique our interest in their unique forms.

Moreover, the results are consistent with the work of Doe and Johnson (2018), who delved into the impact of weather patterns on dermatological queries. Our study builds upon their findings, demonstrating the substantial influence of snow depth on individuals' propensity to seek clarification on skin blemishes resembling warts. It seems that as the snow blankets the landscape, it also blankets our minds with contemplation about our skin's wintry mysteries.

In the book "The Weather Factor: How Nature Has Changed History" by Jones (2011), the intricate interplay between environmental conditions and human psychology is explored, offering an expansive perspective on the potential psychological impact of weather phenomena. Our research underscores this notion, highlighting the perceptible effect of temperature and snow accumulation on individuals' curiosity pertaining to dermatological matters.

Turning to a more lighthearted source, the animated series "Frozen: The Animated Adventures" playfully beckons us to consider the transformative power of snow. Though a departure from scholarly avenues, this whimsical portrayal serves as a reminder of the multifaceted nature of our inquiry, where the wintry elements of Charlotte seemingly influence the contemplation of skin ailments.

The substantial correlation found in our study not only supports prior research but also sheds light on the chilling impact of winter conditions on individuals' dermatological musings. It seems that amidst the snow-cloaked vistas of Charlotte, the question "Is this a wart?" emerges as an enigmatic snowflake, beckoning us to unravel its icy mysteries.

As we consider the implications of our findings, it becomes apparent that the correlation between snow

depth and inquiries about skin irregularities is not merely skin-deep—rather, it reflects the intricate interplay between environmental stimuli and human curiosity. In the frosty embrace of our research, we uncover a chilly truth: when it snows, it warts!

CONCLUSION

As the snow settles (quite literally) on our findings, it becomes evident that there is indeed a chilling correlation between the deepest snow depth in Charlotte and the frequency of Google searches for "Is this a wart." It seems that as the snow piles up, so does the uncertainty about those pesky skin protrusions. Perhaps we could coin the term "snowgical" quandary for this frosty phenomenon. But hey, at least it gives everyone an excuse to wear gloves, right?

Our results leave us snow-stalgie for more wintry insights into the world of dermatological ponderings, but the evidence is as clear as the frosty air: snow depth and skin blemish musings go hand in hand. It's almost as if Jack Frost himself is leaving a trail of skin-related mysteries in his icy wake. (Yes, I'm reaching with that one, but it's worth a shot, isn't it?)

In light of these findings, we assert with a snow of certainty that no further research is needed in this area. In the realm of peculiar research inquiries, we may have stumbled upon the "snow" gem—a correlation as unique and unexpected as finding a snowman in the Sahara. It's time to bid adieu to this area of study, leaving it as a snow-covered curiosity in the annals of scientific exploration. But hey, at least we can say we've left no stone unturned—snow or otherwise.

And with that, dear readers, we bid you a frosty farewell and leave you with this final dad joke to ponder: Why don't snowmen ever get sick? Because they have "frost" immunity! Thank you, thank you—try the veal, and don't forget to tip your waiters!

