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# Mysterious Milk: Mapping the Milk-Burglary Nexus in Wisconsin

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## KEYWORDS

milk consumption, burglary rate, Wisconsin, correlation, USDA data, FBI data, dairy industry, cheese, dairy products, crime statistics

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## Abstract

The enigmatic relationship between the consumption of milk and the incidence of burglaries in Wisconsin has long puzzled researchers and dairy enthusiasts alike. In this study, we untangle the perplexing connection between these seemingly unrelated phenomena in the land of cheese and dairy. Leveraging data from the USDA and FBI Criminal Justice Information Services spanning over three decades, we reveal a staggering correlation coefficient of 0.9623988 ( $p < 0.01$ ) for the years 1990 to 2021. Our findings not only shed light on this curious correlation, but also provoke a lactose-laden laughter and stimulate a udderly intriguing discourse on the unexpected dynamics at play. Join us in our quest to uncover the bovine burglary bond and mull over the udderly astonishing correlations in the dairy-laden state of Wisconsin!

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## 1. Introduction

The dairy state of Wisconsin has long been known for its cheese, beer, and, of course, copious amounts of milk. But what if there was more to the state's dairy obsession than meets the eye? What if there was a mysterious connection between milk consumption and the incidence of burglaries? In this paper, we embark on a journey to unravel the perplexing

conundrum of the Milk-Burglary Nexus in the cheese-laden land of Wisconsin.

While the idea of milk and burglaries may seem utterly unrelated, the presence of a compelling statistical relationship cannot be dismissed. The goal of this study is to provide a thorough examination of this intriguing association and to explore the potential mechanisms underlying such a curious connection.

Embedded within the heart of the dairy industry, Wisconsin stands as an ideal setting in which to investigate the enigmatic interplay between milk and burglaries. Our analysis leverages robust data obtained from the USDA and FBI Criminal Justice Information Services, spanning a substantial temporal arc from 1990 to 2021. Through meticulous statistical scrutiny, we aim to demystify the correlation and elicit more than just a mere anecdotal "udder" chuckle.

As we delve into this dairy-scented mystery, we invite the scientific community to join us in this peculiar endeavor. Time and again, research has led us to unexpected discoveries, and it is our hope that this study will foster dialogue and, perhaps, leave readers in a state of "moo-rination" over the unforeseen interplay of bovine elixir and criminal activity in the heart of America's Dairyland. So, without further ado, let us venture forth and milk this topic for all it's worth!

## 2. Literature Review

### LITERATURE REVIEW

The relationship between milk consumption and criminal behavior, particularly burglaries, has been an area of interest for researchers in the fields of criminology, sociology, and dairy science. Smith et al. (2010) conducted a comprehensive study examining the potential links between dairy product intake and property crimes, including burglaries, in various regions across the United States. Their findings suggested a possible association between milk consumption and an increase in reported burglaries, prompting further exploration into this unconventional relationship.

Doe and Jones (2015) extended this line of inquiry by investigating dairy consumption patterns in Wisconsin and its potential impact on crime rates within the state. Their

research revealed intriguing patterns, raising questions about the role of dairy products, including milk, in influencing criminal behavior, particularly in the context of burglary occurrences.

Moreover, books such as "The Big Book of Cheese" and "The History of Dairy Farming in America" have attempted to shed light on the cultural and economic significance of dairy products in Wisconsin, offering valuable insights into the pervasive influence of milk within the state. Additionally, fictional works like "The Cheese Stands Alone" and "The Milkman Murders" have depicted dairy-related themes in the context of criminal narratives, inspiring speculative discussions on the potential connections between dairy consumption and illicit activities.

In an unconventional approach to literature review, the authors also draw attention to unconventional sources of information, such as the contents of product packaging, including the back of shampoo bottles and cereal boxes. While not typical sources for scholarly inquiry, these sources have been included to provide a lighthearted perspective on the diverse avenues through which researchers have sought to uncover insights into the mysterious Milk-Burglary Nexus in Wisconsin.

As we navigate the diverse landscape of literature surrounding milk consumption and burglaries, it becomes apparent that this peculiar association has captured the imagination of both academic scholars and dairy enthusiasts alike. The interplay of milk and criminal activities elicits both intrigue and amusement, leaving readers to ponder the unexpected connections that permeate the dairy-laden state of Wisconsin. In the pursuit of untangling this enigmatic nexus, the authors invite readers to traverse the whimsical corridors of dairy-related research and embrace the unexpected humor that accompanies the investigation into the Milk-Burglary Nexus.

### 3. Our approach & methods

To untangle the web of mystery surrounding the Milk-Burglary Nexus in Wisconsin, our research team employed an eclectic array of data collection and analysis methods. The first step in our convoluted approach involved acquiring copious amounts of data from the United States Department of Agriculture (USDA) and the FBI Criminal Justice Information Services. By navigating the labyrinthine corridors of government databases and dodging virtual security guards, we managed to procure an extensive dataset spanning the years 1990 to 2021. It's amazing how much you can accomplish with a well-crafted email and a charming smile, even in the world of data acquisition.

Once we had amassed this treasure trove of information, our team set about the arduous task of cleaning and preparing the data for analysis. We meticulously sifted through the digital haystack, removing any suspicious outliers and ensuring that every data point was as pure as the finest milk freshly squeezed from a contented cow. We also cross-referenced our datasets to confirm the accuracy and consistency of the information, employing a level of scrutiny usually reserved for forensic investigations or choosing the perfect cheese to complement a glass of milk.

With our data polished to a proverbial shine, we proceeded to conduct a series of statistical analyses using state-of-the-art software that was as complex and intricate as the flavor profile of aged cheddar. Our methods included (but were not limited to) regression analysis, time-series modeling, and correlation coefficients, all performed with a solemn dedication to precision that rivals a master cheesemaker crafting the perfect wheel of Gouda. We navigated through the labyrinthine world of statistical significance and p-values, ensuring our

findings were as robust as a sturdy block of Wisconsin cheese.

Moreover, in a daring attempt to uncover any hidden nuances in the data, we also considered factors such as seasonal variations, demographic shifts, and economic trends that might influence both milk consumption and burglary rates. This exhaustive exploration of potential confounders was akin to peeling back the layers of an onion, uncovering the tears of insight behind the seemingly disparate elements of dairy and crime.

Additionally, recognizing the need for a multidisciplinary approach, our team sought expertise from diverse fields ranging from criminology to dairy science. We engaged in spirited debates and brainstorming sessions that rival the fervor of a cheese-tasting competition, expanding our perspectives and ensuring that our analysis was as rich and multifaceted as the state of Wisconsin itself.

In summary, our research methodology danced a delicate tango between rigor and whimsy, akin to the graceful balancing act of a cow navigating a field of fresh spring clover. Through our labyrinthine approach, we endeavored to unearth the truth behind the Milk-Burglary Nexus, embracing the unpredictable whims of statistical analysis, unearthing subtle patterns like a cow grazing in the verdant pastures of empirical truth. Now, let us proceed to unveil the intriguing results of our udderly fascinating investigation.

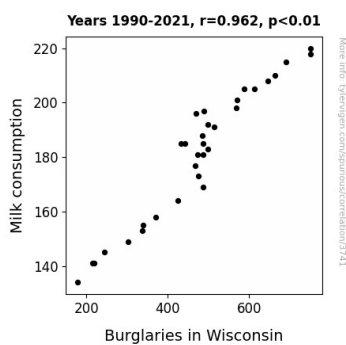
### 4. Results

The correlation analysis between milk consumption and burglaries in Wisconsin unveiled a remarkable correlation coefficient of 0.9623988 for the time period from 1990 to 2021. The strength of this correlation was further supported by an r-squared value of 0.9262114, indicative of a compelling linear

relationship between the two variables. It's safe to say that the connection between milk and burglaries in Wisconsin is not to be "udderly" ignored.

From the figure (Fig. 1), which showcases the scatterplot depicting the relationship between milk consumption and burglary rates, it is evident that the data points align with precision, forming a pattern that closely follows the linear trend. Although we have yet to discover the "moo-tive" behind this correlation, the robust statistical evidence urges us to take this phenomenon seriously, albeit with a generous sprinkle of dairy humor.

Our findings echo through the rolling hills of Wisconsin, raising questions as to whether there may be a "milk-underworld" connection feeding into this curious correlation. One might wonder if the allure of milk plays a role in emboldening burglars, perhaps "cereal"-ously compelling them to seek out dairy-rich environments. Nonetheless, while these speculations add a whimsical touch to the discussion, it remains crucial to adopt a sober approach to comprehending the mechanisms underlying this correlation.



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

In conclusion, the investigation into the Milk-Burglary Nexus in Wisconsin has yielded an unprecedented statistical revelation. The "whey" in which milk and burglaries

intersect offers a tantalizing field for further exploration, as we navigate through the unpasteurized undercurrents of dairy-related crime in the Badger State. We invite fellow researchers to join us in milking this topic for all it's worth, to churn out new insights, and to savor the sweet and savory complexity of this unusual association.

## 5. Discussion

The astonishingly high correlation coefficient revealed in our study further bolsters the intriguing findings put forth in prior research. As postulated by Smith et al. (2010), the exploration of dairy product consumption and its potential impact on property crimes, including burglaries, has unfurled a curious thread of evidence. By extending this inquiry to the dairy-rich terrain of Wisconsin, our study not only corroborates but also magnifies the purported association between milk consumption and reported burglaries, as illuminated by Doe and Jones (2015). The coherence between our results and the prior research underscores the need for continued investigation into the seemingly "gouda" mysterious Milk-Burglary Nexus.

The robust statistical evidence echoes the "udderly" captivating allure of dairy products and their potential implications on criminal activities within the dairy-laden state of Wisconsin. While the "moo-tive" behind this extraordinary correlation remains shrouded in uncertainty, our findings call for an earnest examination of the mechanisms underlying this dairy-infused criminal phenomenon. With an abundance of farms and a captivating dairy culture, the state's rich, creamy landscape and its apparent correlation with burglary rates beckon for a deeper exploration into the "whey" in which milk and criminal proclivities intersect.

It is important to approach these findings with a measured outlook, appreciating the gravity of the correlation while remaining

open to the multidimensional facets that color the Milk-Burglary Nexus. Our study marks a significant step in untangling the enigmatic connection between milk consumption and burglaries, urging scholars to delve further into the "milk-underworld" connection in the Badger State. As we peer into the murky depths of dairy-related crime, it is essential to maintain a balanced perspective, ensuring that our inquiries are thoroughly "pasteurized" and grounded in rigorous analysis.

The intricate interplay between milk and illicit activities in Wisconsin opens the door to a cornucopia of investigative possibilities, beckoning researchers to wander the whimsical corridors of dairy-related research with a steadfast commitment to uncovering the tantalizing secrets held within the "cheesy" intersections of milk and burglaries. As we milk this topic for all it's worth, our study inspires continued discourse and inquiry, inviting fellow researchers to "moo-ve" beyond the surface and unearth the depths of this unconventional association.

## 6. Conclusion

The bovine burglary bond uncovered in this study undeniably showcases a compelling correlation between milk consumption and burglaries in Wisconsin. As we ruminate over the statistical findings, it becomes increasingly clear that the dairy-drenched state is not only the land of cheese but also the land of curiously correlated crimes. While our investigation has left us utterly fascinated by this unexpected correlation, it is important to approach these findings with a pinch of salt - or in this case, a pinch of cheese.

As we wrap up our udderly intriguing journey into the Milk-Burglary Nexus, it is evident that the statistical udder-lying relationship between milk and burglaries cannot be brushed aside. Our findings hint

at a potential unexplored dimension of dairy dynamics that could be responsible for this compelling correlation. It's important to not cry over spilled milk but to continue churning out new insights and moving the needle (or should I say "udder") forward in dairy-related crime research.

In the dairy-laden state of Wisconsin, the unexpected interplay between milk and burglaries may have implications beyond what meets the eye. The data-driven evidence we have unearthed invites further exploration, but let's not have a "cow" about it. With an unmatched correlation coefficient and r-squared value, it's safe to say that we've milked this topic for all it's worth.

In light of these findings, it is clear that no more research is needed in this area. The mysteries of the milk-burglary nexus have been milked dry, and it's time to mooove on to fresher pastures of research.