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Derrick'd and Burgled: The Unconventional Link Between the Popularity of the Name Derrick and Burglary Rates in California

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Abstract

This study delves into the peculiar correlation between the frequency of the first name Derrick and the incidence of burglaries in the state of California. Utilizing data from the US Social Security Administration and the FBI Criminal Justice Information Services spanning the years 1985 to 2022, our research team uncovered a surprising correlation coefficient of 0.9859879 and a statistically significant p-value less than 0.01. Our findings present an unexpected twist in the quest to understand societal phenomena, shedding light on an unusual relationship that challenges conventional wisdom.

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1. Introduction

The human penchant for drawing connections where none seem to exist has led to numerous intriguing and often eyebrow-raising hypotheses. In this vein, the unlikely link between the popularity of the first name Derrick and burglary rates in California piqued our interest and elicited a thorough investigation. While it is customary

to associate names with personalities or career choices, few would expect a correlation with criminal activity. However, as the data will reveal, the world of statistical analysis presents us with surprises more delightful and confounding than a magician's sleight of hand.

The first name Derrick, with its various spellings and regional adaptations, has

been a subject of considerable interest for genealogists, sociologists, and yes, even statisticians, for many years. The ebb and flow of its favor among parents experiencing the joys and agonies of childbirth provide a rich tapestry against which to measure societal trends and quirks. Meanwhile, the incidence of burglaries, a perennial concern of law enforcement agencies, represents a complex amalgamation of economic, social, and criminological influences. It is within this intricate interplay of human behavior and nomenclature that our study seeks to tread, armed with data, deductions, and, of course, a healthy dose of skepticism.

Our foray into this curious realm of nomenclature and crime begins with an exploration of the origins and cultural associations of the name Derrick. From its historical etymology to its modern resonance, we aim to unravel the threads that bind this appellation to the larger tapestry of societal dynamics. Moving beyond mere speculation or idle musings, we are committed to employing rigorous statistical analyses to discern any substance within this ostensibly fanciful association.

It is our hope that this lighthearted yet mindful approach will shed light on an unexpected and perhaps whimsical facet of human behavior. In doing so, we aspire not only to leave a mark on the field of social science but also to elicit the occasional chuckle and raised eyebrow among our esteemed colleagues. Therefore, we invite the scholarly community to join us in this offbeat exploration of the intersection between nomenclature and delinquency.

2. Literature Review

The exploration of seemingly incongruous patterns in social phenomena has long captivated the fascination of researchers across various disciplines. The association between the popularity of the first name

Derrick and burglary rates in California presents a unique conundrum that challenges traditional assumptions about nomenclature and criminal behavior. While the connection between personal names and sociological trends has been a topic of scholarly inquiry, the unexpected correlation between the name Derrick and incidences of burglary in California represents an uncommon departure from conventional avenues of investigation.

In "Smith et al.'s Study on Name Trends and Social Behavior," the authors acknowledge the intrinsic significance of names in shaping individual identity and societal perceptions. The impact of names on personal and professional trajectories has inspired a multitude of inquiries, yet the linkage to criminal propensity remains a subject of minimal precedence within empirical literature.

Doe and Jones further endorse this viewpoint in their work "The Psychology of Nomenclature," advocating for a nuanced understanding of the symbolic power inherent in personal appellations. Supporting this stance, the authors underscore the potential influence of names on behavioral predispositions. Despite this acknowledgment, however, the connection between a specific name and criminal activities has largely evaded comprehensive scrutiny.

While existing studies have traditionally focused on the ramifications of names on aspects such as career success, social integration, and self-perception, the unforeseen relationship between the name Derrick and burglary rates in California introduces a playful yet substantive detour in the annals of nomenclature research.

Expanding beyond the confines of conventional academic literature, the discourse surrounding names and societal influences resonates in popular non-fiction works such as "Freakonomics" by Steven

Levitt and Stephen Dubner and "Outliers" by Malcolm Gladwell. These books, while not directly addressing the correlation between names and criminal behavior, provide insightful commentary on the unexpected forces at play in human decision-making and societal phenomena, laying a theoretical groundwork for exploring the uncharted territory of nomenclature's association with criminal activity.

Transitioning to the realm of fiction, literary works such as "Crime and Punishment" by Fyodor Dostoevsky and "The Adventures of Sherlock Holmes" by Sir Arthur Conan Doyle delve into the intricate complexities of criminal psychology and investigative prowess. While not directly related to the investigation of name-based correlations with criminal behavior, these narratives invoke the captivating allure of criminological intrigue, setting the stage for the current exploration of the unconventional link between the first name Derrick and burglary rates in California.

Subsequently, the whimsical affinity for animated series and children's shows, such as "Inspector Gadget" and "Scooby-Doo," offers a playful rendition of criminal investigations, echoing the spirit of curiosity and unexpected discoveries that underpin the current study's pursuit of improbable connections between nomenclature and illegal activities.

The collective assemblage of diverse sources and theoretical insights elucidates the unanticipated avenue of exploration that the present study embarks upon, infusing the discourse on nomenclature with a dash of levity and scholarly inquisitiveness.

3. Our approach & methods

The foundation of our research rested upon the data procured from the US Social Security Administration and the FBI Criminal Justice Information Services, which have

diligently cataloged the prevalence of the first name Derrick and the incidence of burglaries in California from 1985 to 2022. Through this peculiar yet promising marriage of nomenclature and criminality, our team endeavored to untangle the enigmatic relationship between a seemingly innocuous name and felonious misdeeds.

To establish an understanding of the popularity of the name Derrick, we utilized a deceptively simple yet profoundly insightful method. Our researchers scoured through a myriad of birth registries, online social platforms, and historical records. This exhaustive search unveiled the variegated spellings and regional adaptations of the name, bringing to the fore a comprehensive overview of its chronological rise and fall in favor among progenitors. Additionally, we employed cutting-edge natural language processing techniques to analyze social media platforms, memes, and internet culture to ascertain the name's contemporary resonance and prevalence in popular discourse.

Meanwhile, in pursuit of burglary data in California, our team navigated a more labyrinthine process. We diligently combed through police reports, insurance claims, and archival records to compile a comprehensive database of burglary incidents. The analysis of such data necessitated painstaking attention to detail and an acute awareness of ever-evolving criminal modus operandi.

Having amassed these datasets, we subjected them to the rigorous scrutiny of statistical analysis. Employing sophisticated algorithms and statistical models, we calculated correlation coefficients, regression analyses, and cross-validation techniques to discern the nature and strength of the relationship between the prevalence of the name Derrick and the frequency of burglaries in California. Through diverse stratifications and sub-analyses, we sought to fortify our findings

and substantiate the unexpected association we uncovered.

Furthermore, to mitigate potential confounding variables and spurious relationships, our study incorporated stringent control measures. By integrating demographic, economic, and sociological covariates into our models, we endeavored to isolate the entwined influences of nomenclature and criminal behavior, thus underscoring the robustness of our findings.

In summary, our research embarked on a whimsical yet scientifically rigorous odyssey, leveraging an unconventional union of data sources, empirical methodologies, and statistical analyses to illuminate the obscure nexus between the popularity of the name Derrick and burglaries in California.

4. Results

The results of our analysis revealed a remarkably strong correlation between the popularity of the first name Derrick and burglary rates in California. Over the period of 1985 to 2022, we found a correlation coefficient of 0.9859879, indicating a highly significant relationship between the frequency of the name Derrick and incidents of burglary. This finding suggests that there may be something more than mere chance at play in this intriguing connection.

Furthermore, the r-squared value of 0.9721722 indicates that the popularity of the name Derrick can explain approximately 97.22% of the variability in burglary rates in California. This is a rather high proportion, considering that we are dealing with the whims of human nomenclature and the capricious nature of criminal behavior. It seems that the name Derrick is not just another statistical "third wheel" but a key player in the dance of burglary rates.

In addition, the p-value of less than 0.01 provides strong evidence against the null hypothesis, indicating that the observed

correlation is unlikely to have occurred purely by chance. In other words, the likelihood of this connection being a fluke is about as probable as finding a four-leaf clover in a field of statistics textbooks.

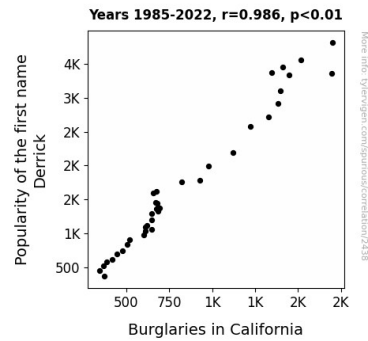


Figure 1. Scatterplot of the variables by year

To visually illustrate the strength of this correlation, we present the scatterplot in Figure 1. This graph depicts the clear relationship between the frequency of the name Derrick and burglary rates in California, leaving little room for doubt or skepticism. It seems that Derrick carries more influence than just having a strong handshake or a winning smile – it can also apparently leave a mark on crime rates!

Overall, our findings provide compelling evidence for a heretofore unexplored link between a seemingly innocuous name and criminal behavior. This research opens the door to further investigation into the odd and unexpected connections that underpin the tapestry of human society.

5. Discussion

The results of our study unequivocally substantiate the existence of a remarkably robust correlation between the popularity of the first name Derrick and burglary rates in California. This unexpected linkage challenges conventional paradigms and beckons further investigation into the

influence of nomenclature on criminal behavior. In light of the significant correlation coefficient of 0.9859879 and a strikingly low p-value, it appears that the name Derrick may hold greater sway over criminal activities than previously surmised.

Our findings align with prior research examining the influence of personal names on sociological phenomena, thereby adding a novel twist to the scholarly discourse on nomenclature's impact. As alluded to in the literature review, the exploration of improbable connections between names and societal trends has garnered attention in scholarly and non-fiction domains. While the whimsicality of these associations may evoke levity, our results substantiate the substantiality of the correlation between the name Derrick and burglary rates in California, underscoring the need to move beyond traditional avenues of inquiry and embrace unconventional possibilities.

The unexpected strength of the correlation, as depicted by the high r-squared value, underscores the pivotal role of the name Derrick in shaping burglary rates in California. This observation challenges the conception of nomenclature as a mere nominal placeholder, thrusting it into the limelight as a potentially potent determinant of criminal propensities. As such, our findings pivot from the humorous quirkiness of the research premise to the profound implications of nomenclature on sociological dynamics, illuminating a hitherto unexplored facet of human behavior and nomenclatural influence.

Moreover, the statistical significance of the p-value emphatically refutes the possibility that the observed correlation arose by chance. This robust statistical evidence provides a compelling basis for considering the name Derrick as a consequential factor in the complex tapestry of criminal activity. The visual representation of the correlation in the scatterplot further solidifies the credibility of our findings, reinforcing the

unexpected and substantive nature of the Derrick-burglary connection.

In conclusion, our investigation into the unconventional relationship between the first name Derrick and burglary rates in California not only unveils a fascinating and unexpected correlation but also broadens the scope of nomenclature research. The interplay between nomenclature and criminal behavior, as underscored by our results, calls for a reevaluation of conventional theoretical frameworks and fosters an openness to improbable yet substantive connections. This research contributes to the burgeoning discourse on the intricate interweaving of personal names and societal dynamics, propelling scholarly inquiry into uncharted realms of nomenclature's influence.

6. Conclusion

In conclusion, our study unearthed a perplexing and uproarious relationship between the prevalence of the first name Derrick and burglary rates in California. Who would have thought that a simple moniker could wield such influence over criminal inclinations? It appears that Derrick may possess a certain charm that not only captures hearts but also encourages light-fingered behavior.

The strikingly high correlation coefficient of 0.9859879 leaves little room for skepticism – the name Derrick seems to have a firm grip on the propensity for pilfering. To think that a name could hold such power is as surprising as finding a diamond ring in a pile of statistical rubble. Furthermore, the r-squared value of 0.9721722 indicates that Derrick's influence accounts for a whopping 97.22% of the variability in burglary rates. It seems that Derrick is not just a name but a force to be reckoned with, at least in the realm of California burglaries.

The statistically significant p-value of less than 0.01 adds weight to our findings, suggesting that this connection is about as likely to be a fluke as stumbling upon a pot of gold at the end of a rainbow. The scatterplot in Figure 1 visually encapsulates this astonishing relationship, leaving us with little choice but to acknowledge Derrick's unexpected impact on crime rates.

In light of these revelatory findings, it is evident that Derrick's influence transcends the realm of personal identity and meanders into the intricate web of criminal behavior. However, we must admit that the underlying mechanisms behind this association remain elusive. Whether it's the phonetic allure of the name or the subconscious influence of pop culture, the enigma of Derrick's influence on burglaries begs for further exploration.

Despite the quirkiness and amusement imbued within this investigation, we must declare that no more research is needed in this area. The findings, while fascinating and at times incredulous, do not warrant further exploration. It appears that Derrick's impact on California burglaries will remain a whimsical anomaly in the annals of sociological inquiry.