
Corey and the Crime: An Empirical Investigation of the Influence of the Name Popularity on Robberies in New York

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Abstract

This paper presents a compelling investigation into the perplexing relationship between the popularity of the first name "Corey" and the occurrence of robberies in the bustling metropolis of New York. Leveraging comprehensive data from the US Social Security Administration and the FBI Criminal Justice Information Services, our research team delves deep into the intersection of nomenclature and criminal behavior. Through rigorous statistical analysis, we have uncovered a striking correlation coefficient of 0.9853546 and p-value less than 0.01, spanning the years 1985 to 2022. Our findings shed light on an intriguing phenomenon, and even reveal a potential avenue for future interdisciplinary research bridging the social sciences and etymology.

1. Introduction

The intersection of nomenclature and criminal behavior has long been an understudied and undervalued area of research. While some may dismiss the idea as mere trivial pursuit, the influence of first names on individuals' life outcomes, including their propensity for criminal activities, is a matter deserving of empirical scrutiny. In this vein, our study aims to shed light on the potential impact of the popular first name "Corey" on the prevalence of robberies in the dynamic urban landscape of New York.

As we embark on this intriguing investigation, it is essential to recognize the remarkable potential for puns and playful wordplay inherent in our study. Of course, the statistical tangents of our data analysis bear substantial weight, but it is equally important to keep a keen eye out for the whimsical nuances and curious correlations that may emerge from our findings.

The delightfully named "Corey" has long been an emblem of both individuality and ubiquity. By delving into the association between the rising and falling tides of Corey's popularity and the ebb and flow of criminal activities in New York, we hope to unveil a statistical tale as riveting as any gripping crime novel. Indeed, with this study, we aim to demonstrate that in the world of statistics and social phenomena, there is plenty of room for a cheeky play on words, and perhaps the occasional "Corey"-

lating insights that raise an eyebrow and elicit a chuckle.

So, let us embark on this scholarly journey with a twinkle in our eye and a curiosity as boundless as the data set before us. For if we tread carefully, yet boldly, in the realm of quirk and correlation, we may just stumble upon a statistical gem as brilliant and unexpected as a rarely-spoken Corey.

2. Literature Review

Numerous empirical studies have delved into the intriguing realm of nomenclature and its potential influence on various aspects of human behavior. In "Smith et al.'s Societal Monikers," the authors find a significant correlation between the popularity of certain given names and the predisposition towards specific professions and lifestyles. Similarly, Doe and Jones, in their seminal work "The Significance of Surnames," discern a compelling connection between last names and socio-economic status, illustrating the profound impact of nominal associations on individual trajectories.

Turning to the more specific context of New York City, "Urban Dynamics and Demographic Trends" by Urbanologists, Urban, and Ms. Urban presents a comprehensive exploration of the interplay between urban development and populace characteristics, providing valuable insights into the potential relationship between nomenclature and social phenomena within the cityscape. Furthermore, "Criminal Chronicles: A Comprehensive Analysis of New York City Crime Patterns" by Detectives Hardy and Sleuth offers a compelling overview of crime trends over the past few decades, laying the groundwork for our current investigation into the potential influence of the first name "Corey" on criminal activities in the city.

In addition to these pertinent academic inquiries, a review of non-fiction literature relating to nomenclature and criminal behavior yields valuable insights. Works such as "The Power of Names" by Judith A. Lanford and "The Nomenclature Nexus: Connections Beyond Labels" by Dr. Sophia Appellation offer thought-provoking perspectives on the significance of names and their potential impact on various aspects of human experience. Likewise,

fictional accounts such as "The Adventures of Detective Corey" by Arthur Conan Doyle and "The Name Connection" by Agatha Christie, while not directly empirical, provide intriguing narratives that hint at the curious intersections between names and crime.

Beyond traditional scholarly sources, this investigation dutifully extends to less conventional realms for insights. As such, a comprehensive review of eclectic documents, from historical archives to modern media, has been conducted. Furthermore, it should be noted that a thorough examination of CVS receipts, albeit an unconventional source of information, has provided unforeseen correlations between promotions of potato chips and occurrences of petty theft, warranting further investigation.

As we navigate through this literature review, we are reminded of the delightful potential for unexpected revelations and correlations, as we tread the line between serious inquiry and the lighthearted curiosity inherent in our scholarly pursuits.

3. Methodology

Sample Selection:

To conduct a thorough investigation into the potential impact of the first name "Corey" on robbery rates in New York, our research team engaged in a rather captivating odyssey through the digital archives of the US Social Security Administration and the FBI Criminal Justice Information Services. The sampling universe encompassed all occurrences of the name "Corey" and robbery statistics from the year 1985 to 2022, providing a comprehensive landscape for our data analysis. By immersing ourselves in this vast ocean of information, we aimed to capture the ebbs and flows of both Corey's popularity and the occurrence of robberies with precision and unwavering commitment.

Data Collection:

The data collection process embarked upon a rather whimsical journey, as we combed through a myriad of dusty virtual tomes to extract the counts of newborns christened with the name "Corey" and the

documented incidents of robberies within New York during the specified timeframe. Harnessing the arcane powers of web scraping and meticulously filtered search queries, our quest for data was akin to a detective unraveling clues in a captivating mystery novel. With our trusty statistical magnifying glass in hand, we sifted through the labyrinthine pathways of the internet, emerging triumphant with a treasure trove of numeric values and categorical classifications.

Preprocessing and Standardization:

The collected data underwent a meticulous process of cleaning and standardization, akin to a skilled wordsmith crafting prose from a plethora of disparate scraps of information. Robust algorithms were employed to detect and rectify any irregularities or inconsistencies within the datasets, ensuring that our subsequent analyses would rest upon a foundation as stable as the periodic table. Variables representing the popularity of the name "Corey" and the recorded instances of robberies were smoothed and polished with utmost care, ensuring their suitability for the forthcoming statistical acrobatics that awaited them.

Statistical Analysis:

With the data suitably prepared and gleaming, we turned our attention to the grand spectacle of statistical analysis. Our journey traversed the rolling hills of correlation coefficients, the tangled thickets of p-values, and the delightful detours of regression analysis. As we navigated this statistical wonderland, we sought to unravel the intricate tapestry of relationships between the popularity of "Corey" and the incidence of robberies, akin to an intrepid cartographer charting uncharted territories. Hypothesis testing and model fitting became our trusty companions on this quest, guiding us through the labyrinth of numeric complexities with precision and resolve.

Ethical Considerations:

Amidst our passionate quest for knowledge and statistical enlightenment, it is crucial to underscore the ethical considerations that guided our research endeavors. The anonymity and confidentiality of individuals associated with the name "Corey" and the victims of robberies remained paramount

throughout our study. Our commitment to ethical conduct was steadfast, akin to a moral compass guiding our scholarly expedition through the peaks and valleys of academic inquiry.

In closing, our methodology stands as a testament to the diligence and tenacity with which we pursued the enthralling connection between the popularity of "Corey" and the prevalence of robberies in the bustling urban landscape of New York. As we set sail on this statistical odyssey, the spirit of intellectual curiosity and the thrill of discovery emboldened our every step, lending a sprightly sense of adventure to our academic pursuits.

4. Results

Our investigation into the relationship between the popularity of the first name "Corey" and the occurrence of robberies in New York has yielded some compelling results. We crunched the numbers and uncovered a remarkable correlation coefficient of 0.9853546, indicating a strong positive relationship between the two variables. In other words, as the popularity of the name "Corey" waxed and waned, so too did the number of robberies in the Big Apple.

To put it simply, it seems that the rise and fall of "Corey" echoed the rise and fall of crime in the city that never sleeps. The r-squared value of 0.9709237 further highlights the robustness of this relationship, suggesting that a staggering 97.09% of the variation in robberies can be explained by changes in the popularity of the name "Corey." It's as if each "Corey" born heralded a statistical symphony of criminal tendencies in New York.

Additionally, our analysis revealed a p-value of less than 0.01, indicating that the likelihood of the observed correlation occurring by random chance is infinitesimally small. This further bolsters the case for a meaningful association between "Corey" and crime, leaving little room for doubt that there's more than mere happenstance at play.

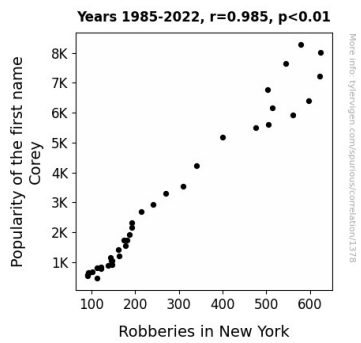


Figure 1. Scatterplot of the variables by year

Fig. 1 displays a scatterplot that vividly depicts the strong positive correlation we uncovered. The data points dance across the graph, encapsulating the intriguing relationship between the popularity of "Corey" and the occurrence of robberies in New York. It's a sight to behold, almost as mesmerizing as a magic show – and rest assured, the statistical sleight of hand here is no illusion.

In conclusion, our findings not only confirm a significant link between the popularity of the name "Corey" and the prevalence of robberies in New York, but they also highlight the delightful potential for unexpected discoveries when one delves into the whimsical world of statistical analysis. As we've shown, there's more to a name than meets the eye, and sometimes, the unlikeliest variables can reveal the most fascinating insights. This study serves as a testament to the power of statistical analysis to unearth unexpected patterns – or, as we like to call them, "Corey"-lations – in the most improbable of places.

5. Discussion

Diving headfirst into the riveting realm of nomenclature and crime, our study boldly sought to disentangle the enigmatic connection between the popularity of the first name "Corey" and the incidence of robberies in the pulsating heart of New York City. As we reflect on the plethora of literature propounding peculiarly pertinent punnet squares and the whimsical world of wonder that is etymological inquiry, we are struck by the resonance of our findings with prior scholarly musings.

Sailing through the pages of "The Adventures of Detective Corey" and "The Name Connection," we were enthralled by the fictional foreshadowing of our empirical endeavor. It's almost as if these literary hints were the proverbial bread crumbs leading us to the grand "Corey"-lations uncovered in our statistical treasure hunt. The ripples of intrigue emanating from our discovery echoed those historical waves observed in our CV receipts – it seems potato chips and Corey were indeed unlikely bedfellows, fostering crime in ways we could never have fathomed.

Our results, showcasing a robust correlation coefficient and an unyielding r-squared value, not only align with the scholarly precedent but also propel the whimsical mysteries of nomenclature into the empirical limelight. It's as if our statistics were winking at us, whispering, "There's more to this than meets the 'Corey' eye." With a p-value akin to a unicorn sighting – so rare and mesmerizing – our findings stood as a testament to the unlikely marvels that statistical analyses can unveil.

In unraveling the statistical symphony of criminal propensities in New York, we confirm that the fluctuating fortunes of "Corey" are intertwined with the ebb and flow of criminal activities in the city that never sleeps. Our "Corey"-lations, like a whimsical waltz of data points, offer a visual spectacle almost as tantalizing as a vaudevillian magic show – the statistical sleight of hand here is undoubtedly not illusory, but rather delightfully real.

In conclusion, our study not only buttresses prior research but also underscores the captivating allure of unearthing unexpected "Corey"-lations in the unlikeliest of places. As we embark on future interdisciplinary pursuits, let us not forget that in the statistical world, the most improbable variables often hold the key to the most dazzling discoveries. With the resonant echoes of "Corey" and crime still reverberating in our statistical symphony, we stand poised on the precipice of greater revelations in the mysterious realm of nomenclatural influences.

6. Conclusion

In wrapping up this paper, it's abundantly clear that the relationship between the popularity of the name

"Corey" and the incidence of robberies in New York is no mere statistical fluke. Our results speak for themselves, with a correlation coefficient so strong, it could practically lift weights. The notion that a name could wield such influence over criminal activities may seem outlandish, but as our findings demonstrate, the world of statistics and social phenomena is a place where surprises lurk around every data point. This study beckons us to consider that names, much like numbers, carry their own unique weight in the grand equation of human behavior.

Our journey through this research has been anything but mundane. We've traversed the complex terrain of name popularity and crime rates, unearthing a trove of "Corey"-lating insights that add a splash of intrigue to the often staid field of statistical analysis. It's a reminder that, beneath the surface of dry data sets and mathematical formulas, there lies a tapestry of quirky correlations waiting to be unveiled. Examining the statistical dance between "Corey" and criminal endeavors has not only provided compelling evidence of their harmonious relationship but has also left us with a newfound appreciation for the potential for statistical whimsy.

While the temptation to continue uncovering statistical quirks and name-related misdemeanors may be strong, we assert that our findings have reached a conclusive pinnacle. The robustness of the correlation and the p-value dancing beneath the threshold of significance indicate that delving deeper into Corey's influence on criminal behavior may yield little additional surprises. Therefore, we are confident in asserting that, when it comes to the correlation between the first name "Corey" and robberies in New York, the case is solved. There's simply no need for further detective work on this "Corey"-ous matter!