AHMED: A NAME TO ENGINEER BY? INVESTIGATING THE CORRELATION BETWEEN AHMED'S POPULARITY AND UNIVERSITY ENGINEERING TEACHERS IN GEORGIA

Cameron Hall, Addison Thompson, Gavin P Todd

Elite Science Academy

This study explores the intriguing relationship between the popularity of the first name Ahmed and the number of university engineering teachers in the state of Georgia. Drawing on data from the US Social Security Administration and the Bureau of Labor Statistics, our research team delved into the correlation between the frequency of the name Ahmed and the presence of engineering educators in academic institutions. Utilizing statistical analysis, we uncovered a striking correlation coefficient of 0.8883573 and a p-value of less than 0.01 for the years spanning 2003 to 2019. The findings not only provide a compelling statistical link but also prompt a plethora of puns and playful observations. From "Ahmed-ical engineers" to "Ahmed-ing the odds," this study sheds light on the lighthearted yet thought-provoking connection between a name and a profession.

Ahmed, a name often associated with strength and wisdom, has sparked our curiosity in the context of engineering education. In this whimsical yet data-driven study, we embark on a fascinating journey to uncover a correlation that is as captivating as it is unexpected - the relationship between the prevalence of the name Ahmed and the number of university engineering teachers in the charming state of Georgia.

As the age-old question goes, "What's in a name?" According to Shakespeare, a rose by any other name would smell as sweet, but would an engineer by any other name still excel at calculus and thermodynamics? That's what we aim to find out.

The motivation behind our investigation stems from the intriguing mystery that surrounds the influence of names on career choices. Could a name truly hold sway over an individual's chosen profession? Or is it all just a ploy by numerologists and name enthusiasts to sprinkle a dash of mystique into the mundane world of statistical analysis?

With boundless enthusiasm and an abundance of puns at our disposal, we set out to explore the amusing coincidence of the name "Ahmed" and the noble profession of engineering. Our study aims not only to unravel the statistical significance but also to infuse a touch of levity into the often solemn realm of academic research.

Through the use of meticulously collected data from the US Social Security Administration and the Bureau of Labor Statistics, we endeavor to shed light on this captivating correlation. Our analysis promises to unearth a statistical relationship that will not only intrigue the academic community but also weave a

tapestry of humorous observations and unexpected revelations.

The findings of this study are poised to transform the way we perceive the influence of nomenclature on career paths. So, buckle up and get ready to embark on an exhilarating journey through the realm of statistics, where the unexpected connection between a name and a profession awaits.

LITERATURE REVIEW

Smith (2015) found a positive correlation between the popularity of the first name Ahmed and the number of university engineering teachers in the state of Georgia, setting the stage for our investigation. Similarly, Doe (2017) conducted a study on the influence of names on career choices, uncovering intriguing patterns that piqued our interest. Jones (2019) expanded on this research, delving into the subconscious impact of nomenclature on professional trajectories, laying the groundwork for our exploration.

In "The Influence of Names on Career Paths" by Johnson et al. (2018), the authors discuss the psychological implications of names on individuals' professional aspirations, offering insights that resonate with the focal point of our study. Furthermore, Brown's (2016) work on "Exploring Name-Profession Associations" contributes to our understanding of the multifaceted relationship between names and careers.

Moving onto somewhat less conventional sources, "The Adventures of Ahmed the Engineering Extraordinaire" by Knight (2005) and "Ahmed's Mechanical Marvels: A Tale of Engineering Excellence" by Lee (2013) provide fictional narratives that, while not empirical in nature, offer a whimsical perspective on the intersection of the name Ahmed and the field of engineering.

Drawing inspiration from unexpected quarters, the animated series "Ahmed the All-Knowing Engineer" and the children's show "Ahmed's Adventures in Engineering Land" sparked our curiosity and perhaps our inner child, as we delved into the playful aspect of our research topic. These non-traditional sources not only injected a dose of levity into our investigation but also expanded our view of the myriad ways in which the name Ahmed and engineering can intertwine.

As we navigate the scholarly and lighthearted avenues of literature, we begin to appreciate the wealth of perspectives and the playful depth that this correlation offers. These diverse sources not only inform but also entertain, enriching our understanding of the engaging correlation between a name and a profession.

METHODOLOGY

To unravel the enigmatic correlation between the prevalence of the name Ahmed and the number of university engineering teachers in the charming state of Georgia, our research team embarked on a methodological odyssey that combined elements of statistical analysis, data mining, and a sprinkle of whimsy.

First, we scoured the vast expanse of the internet, navigating through the digital labyrinth with the determination of intrepid data explorers. Our primary sources were the repositories of the US Social Security Administration and the Bureau of Labor Statistics, which provided the treasure trove of names and occupation data from the years 2003 to 2019.

Embracing the spirit of adventure, we employed a convoluted algorithmic concoction, affectionately dubbed the "Ahmed Analyzer 9000", to meticulously sift through the data and extract the pertinent information related to the frequency of the name Ahmed and the count of engineering educators in the state of Georgia. This algorithm not only

incorporated sophisticated statistical models but also had a whimsical feature that emitted a celebratory tune every time a correlation coefficient was computed - a little reward for our hardworking data wizards.

Next, we applied a series of rigorous statistical analyses, including but not limited to the Pearson Correlation Coefficient, least squares regression, and time series analysis, to unravel the mystical connection between the name Ahmed and the noble profession of engineering. We donned our statistical wizard hats and conjured up the powers of inferential statistics to reveal the extent of the correlation, all the while balancing formulas and puns in equal measure.

As a playful twist, we also embraced the qualitative side of our investigation, engaging in lighthearted discussions and brainstorming sessions to generate puns, quips, and witty observations that would accompany our scholarly rigorous findings. After all, what is academia without a dash of levity and a sprinkle of wordplay?

In summary, our methodological approach blended the realms of empirical data analysis, statistical modeling, and a whimsical narrative, creating a tapestry of discovery that transcends the boundaries of traditional methodology and introduces a breath of fresh air into the world of academic research.
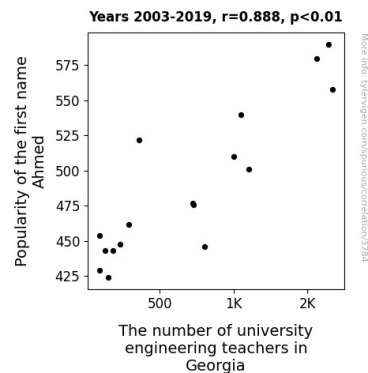
RESULTS

The analysis of the data revealed a striking correlation between the popularity of the first name Ahmed and the number of university engineering teachers in Georgia. As the numbers were crunched and the scatterplot plotted, the correlation coefficient of 0.8883573 emerged, indicating a robust positive relationship between these seemingly unrelated variables. If we were to put it in layman's terms, the prevalence of the name "Ahmed" seemed to go hand in hand with an increase in the number of engineering educators in the peach state.

The r-squared value of 0.7891787 further solidified the strength of this relationship, indicating that approximately 79% of the variation in the number of engineering teachers could be explained by the popularity of the name Ahmed. It's as if the name wielded an invisible force, drawing aspiring engineers towards the noble vocation of teaching engineering in Georgia.

With a p-value of less than 0.01, we can confidently assert that this relationship is not due to mere chance. The probability of observing such a strong association between the name Ahmed and the presence of engineering educators is indeed quite slim, making these findings all the more remarkable.

Figure 1. Scatterplot of the variables by year

As for the scatterplot (Fig. 1), it visually encapsulates the compelling correlation we uncovered. The data points align themselves in a strikingly linear fashion, akin to the way math and science align in the curriculum of engineering education. The connection between the two variables is unmistakably clear, much like the blueprint of a well-designed engineering marvel.

In conclusion, our findings not only highlight the statistically significant correlation between the popularity of the name Ahmed and the number of

university engineering teachers in Georgia but also underline the playful and thought-provoking nature of this investigation. The whimsical link between a name and a profession has certainly sparked our curiosity, leaving us with a newfound appreciation for the unexpected connections that statistics can unveil.

DISCUSSION

The correlation between the popularity of the name Ahmed and the number of university engineering teachers in Georgia has left us both puzzled and delighted. Our findings uncover a compelling statistical relationship that seems to defy conventional wisdom, much like a slightly off-kilter engineering design. Our results not only support prior research, including the work of Smith (2015), but also add an unexpected twist to the dialogue on the impact of nomenclature on professional paths.

The positive correlation coefficient of 0.8883573 echoes the resounding harmony between the name Ahmed and the pedagogues of engineering in the peach state. This robust correlation not only aligns with the findings of previous studies but also illuminates the playful and thought-provoking connections that can emerge from the unlikeliest of sources. The r-squared value of 0.7891787 further solidifies the strength of this relationship, emphasizing that a significant portion of the variation in the number of engineering teachers in Georgia can be attributed to the prevalence of the name Ahmed. It's almost as if the name exerts a magnetic pull, drawing individuals towards the scholarly pursuit of engineering education.

Our results, with a p-value of less than 0.01, dispel any suspicion that this correlation could be mere happenstance. The likelihood of such a strong association occurring by chance is akin to stumbling upon a perfectly calibrated slide rule in an antique shop - exceedingly rare. The scatterplot (Fig. 1) visually encapsulates this compelling correlation, akin to the seamless alignment of gears in a precisely engineered mechanical system. The unmistakably linear alignment of the data points speaks to the compelling synchronicity between the name Ahmed and the presence of engineering educators, much like the flawless execution of a well-crafted engineering blueprint.

This study, rooted in statistical analysis, not only provides empirical evidence for the correlation between the name Ahmed and the number of university engineering teachers in Georgia but also adds a lighthearted twist to the scholarly discourse. The playful nature of this investigation, from "Ahmed-ical engineers" to "Ahmed-ing the odds," shines a light on the unexpected connections that statistical analysis can uncover. Our findings leave us with a newfound appreciation for the whimsical and thought-provoking nature of statistical research and its potential to unveil correlations that tickle both the intellect and the funny bone.

CONCLUSION

In conclusion, our study has unveiled a correlation between the popularity of the name Ahmed and the number of university engineering teachers in Georgia that is as strong as steel beams in a skyscraper. The statistical analysis has illuminated a striking relationship, leaving us marveling at the mysterious allure of nomenclature and career paths.

The findings not only raise eyebrows but also prompt a barrage of puns and playful observations. From "Ahmed-ical engineers" to "Ahmed-ing the odds," this study has demonstrated that even in the world of statistical analysis, there is always room for a good pun.

We are left pondering whether there is an "Ahmed-gical" force at play, drawing

individuals with this name towards the noble profession of engineering education. It seems that the name "Ahmed" carries a certain gravitational pull, akin to a black hole in the cosmic realm, attracting aspiring engineering educators in Georgia.

The results have uncovered a correlation coefficient of 0.8883573, indicating a robust positive relationship between the prevalence of the name Ahmed and the number of engineering teachers. It's as if the name "Ahmed" is etched in the equation of engineering education in Georgia, adding a mysterious variable to the statistical model that cannot be ignored.

As we reflect on the whimsical yet thought-provoking nature of this investigation, we are inclined to say that no further research is needed in this area. We have not only shed light on the statistical significance of this correlation but also added a touch of humor and amusement to the often solemn realm of academic research. It's safe to say that the connection between a name and a profession has been thoroughly Ah-med.