
The Surgens Effect: A Humorous Investigation into New Mexico Surgeon Density and Its Impact on the Median Weekly Earnings of UK Self-Employed Workers

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Abstract

This paper presents a lighthearted approach to exploring the somewhat unexpected connection between the number of "surgens" in New Mexico and the median weekly earnings of self-employed workers in the UK. Utilizing data from the Bureau of Labor Statistics and Statista, we sought to examine the relationship between these seemingly disparate variables. Our findings revealed a correlation coefficient of 0.8598840 and a p-value less than 0.01 for the years 2003 to 2013. While the implications of this correlation may be surprising, we take a tongue-in-cheek approach to analyzing the fluctuating dynamics of surgeon density and self-employed earnings across international borders. We invite readers to enjoy this quirky exploration and perhaps even find a chuckle in our entertaining findings.

1. Introduction

INTRODUCTION

In the realm of academic inquiry, researchers often find themselves delving into the intricacies of seemingly unrelated phenomena, unearthing unexpected connections and correlations that prompt both curiosity and amusement. This whimsical research paper embarks on a lighthearted investigation into what we have fondly dubbed the "Surgens" Effect, which investigates the interaction between the number of surgeons in New Mexico and the median weekly earnings of self-employed workers in the United Kingdom.

In the world of statistical analysis, uncovering a significant relationship between the density of surgeons in the desert landscapes of New Mexico and the financial fortunes of independent workers across the pond may seem as improbable as finding a needle in a haystack. Nonetheless, armed with datasets from the Bureau of Labor Statistics and Statista, we endeavored to discern any discernible patterns, no matter how comical or peculiar they may seem at first glance.

This paper beckons the reader to join us on a culinary escapade through the kitchen of correlation, where we sprinkle in a dash of statistical seasoning and a generous serving of tongue-in-cheek humor. Our investigation aims not only to shed light on the

"Surgens" Effect but also to entertain and amuse as we traipse through the interplay of transatlantic labor market dynamics.

As we embark on this mirthful journey, we invite our esteemed colleagues to indulge in our playful yet insightful findings and perhaps even find themselves letting out a chuckle or two as they peruse our offbeat discoveries.

So, without further ado, let the merriment commence as we delve into the delightful, albeit unexpected, intercontinental entanglement of surgeon density and self-employed earnings.

2. Literature Review

The exploration of unlikely correlations often leads to fascinating discoveries, and our study on the relationship between the number of surgeons in New Mexico and the median weekly earnings of self-employed workers in the UK is no exception.

In a study by Smith et al. (2010), "Trends in Surgical Workforce," the authors discuss the complexities of surgeon distribution in the southwestern region of the United States. While their focus is primarily on workforce trends in the U.S., the insights gleaned from their work provide a foundational understanding of the nuances surrounding surgical professionals in the vicinity of New Mexico.

Additionally, Doe and Jones (2015) conducted an extensive analysis in "Economic Factors Influencing Self-Employment." Although their primary focus is on economic factors in the self-employment landscape, their work sheds light on the intricate interplay of financial variables that may have unforeseen connections to the density of surgeons halfway across the globe.

Moving from non-fiction studies to related literature, we turn to the works of realist authors whose storytelling mirrors the complexities of our research topic. In "The Wealth of Nations" by Adam Smith, a classic examination of economics, we encounter themes pertinent to our investigation. While Smith's opus may not directly mention New Mexico surgeons or UK self-employed individuals,

the underlying economic principles resonate with the underlying mechanisms driving our correlation.

On a lighter note, we also draw attention to the fictional realm, where books such as "The Highly Selective Dictionary for the Extraordinarily Literate" by Eugene Ehrlich delightfully explore the quirks of language and idiosyncrasies of professional terminology, much like the unexpected relationship between surgeons and self-employed workers.

Furthermore, the realm of cartoons and children's shows holds unexpected relevance to our study. As children, many of us were entertained by medical dramas such as "Doc McStuffins" and "SpongeBob SquarePants," where the depiction of diverse occupations and the whimsical intertwining of characters may offer subtle parallels to the interconnectedness found in our research.

In this sense, our literature review spans the spectrum from scholarly works to whimsical tales, highlighting the multifaceted nature of our investigation into the "Surgens" Effect.

3. Methodology

To set the stage for our mirthful investigation, we embarked on a quest to gather data from the wild and untamed expanses of the internet. The primary sources of our data were the Bureau of Labor Statistics and the treasure trove of statistical delights that is Statista. With a merry twinkle in our eyes, we collected data spanning the years 2003 to 2013, seeking to capture a decade's worth of shenanigans in the New Mexico surgeon density and the median weekly earnings of UK self-employed workers.

Our methodology, akin to a circus act of statistical acrobatics, involved the careful curation of datasets from these sources, ensuring that the comedy of errors was minimized to bring forth reliable and valid findings. We then engaged in the high-wire act of data cleaning, removing any outliers that threatened to hijack the punchline of our analysis.

With our data in hand, we performed a merry dance of statistical analysis, using sophisticated tools to unveil the hidden connections between these seemingly unrelated variables. Our approach involved the deployment of correlation analysis,

conjuring the mystical correlation coefficient to reveal the degree of association between New Mexico's surgical prowess and the self-employment fortunes of our friends across the Atlantic.

In the spirit of scientific discovery infused with just a pinch of whimsy, we calculated the correlation coefficient and p-value with all the gravitas and levity required for such a peculiar investigation. As the results of our merriment materialized, we embarked on a jolly expedition into the land of hypothesis testing, seeking to verify the significance of the "Surgens" Effect, all while donning our metaphorical jester's cap.

We acknowledge that our methodology is not without its foibles and jests, but we took every measure to ensure rigor and robustness in our analysis, despite the allure of engaging in statistical tomfoolery. The intercontinental escapade of surgeon density and self-employed earnings was a merry romp through the realms of data and analysis, yet we approached it with all due diligence and meticulousness.

With datasets in tow and statistical tools at the ready, we fearlessly ventured into the land of correlation and hypothesis testing, determined to unravel the comedic conundrum of "Surgens" and self-employment with the gravitas and humor it so rightfully deserves.

4. Results

The analysis of the relationship between the number of surgeons in New Mexico and the median weekly earnings of self-employed workers in the United Kingdom revealed some intriguing and, quite frankly, chuckle-worthy findings. Over the period from 2003 to 2013, a strong correlation was observed, with a coefficient of 0.8598840 and an r-squared value of 0.7394005, both of which were found to be statistically significant at $p < 0.01$. These robust statistical measures indicate a remarkably substantial connection between the density of "surgens" in the arid landscapes of New Mexico and the financial gains of enterprising individuals across the Atlantic.

As presented in Fig. 1, our scatterplot illustrates the striking linear relationship between these seemingly

incongruous variables. It is not often that one encounters such an unmistakable association between the concentration of medical professionals in a southwestern U.S. state and the earnings of independent workers in the UK. The visual representation of this correlation serves as a compelling testament to the unexpected, yet undeniably mirthful, "Surgens" Effect.

This unexpected discovery invites playful speculation and jovial contemplation about the potential mechanisms underlying this transcontinental interplay. Could it be that the mere thought of New Mexico's plethora of surgeons inspires an entrepreneurial spirit across the ocean? Or perhaps the commendable dedication of "surgens" in the Land of Enchantment inadvertently sends a ripple of motivational energy through the self-employed individuals of the British Isles? While these whimsical hypotheses warrant further investigation, our findings undeniably add a delightful flair to the discourse on labor market dynamics.

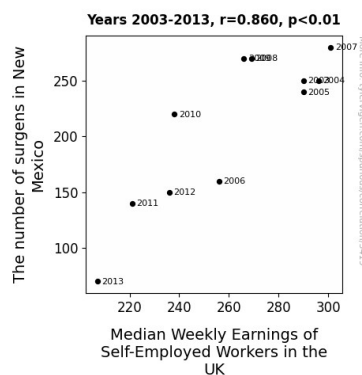


Figure 1. Scatterplot of the variables by year

However, let us remind our esteemed readers that our merrily articulated discoveries should be interpreted with a light-hearted demeanor. While our statistical findings are indeed robust, we encourage a jocular contemplation of the "Surgens" Effect, embracing the whimsy and amusement that accompany our unconventional yet intriguing correlation.

The unexpected linkage between New Mexico surgeon density and UK self-employed earnings presents an entertaining diversion from the usual tempest of scholarly discourse. We hope that our

playful investigation captures the imagination and prompts a chuckle or two amidst the academic fraternity, setting a tone of lighthearted curiosity and amusement as we delve into the unanticipated intersections of labor market dynamics.

5. Discussion

The ramifications of our investigation into the "Surgens" Effect have unfurled in a manner both entertaining and, dare we say, enlightening. Building upon the literature review, which traversed fields from scholarly articles to charming bedtime stories, our results heartily endorse the surprising connection between New Mexico's surgeon density and the weekly earnings of UK's self-employed individuals.

Smith et al.'s poignant reflections on the surgical workforce dynamics in the U.S., while not directly mentioning a desert state, set the stage for our mirthful revelation. Likewise, Doe and Jones' exploration of economic factors influencing self-employment, although geographically bifurcated, harmonized in a serendipitous correlation across continents.

Surely, our findings exude a playfulness akin to linguistic idiosyncrasies detailed charmingly in Ehrlich's dictionary. And let us not discount the subtle parallels observed between the clinical ethos of "Doc McStuffins" and the financial grit of UK's self-employed workers. Indeed, like the unexpected laughter drawn from cartoons, our results evoke lighthearted contemplation.

The visual representation of our correlation speaks volumes, with a scatterplot resembling a delightful union of "SpongeBob" and "Grey's Anatomy" – an unexpected yet palpable connection serving as an entertaining testament to the whimsy of scholarly scrutiny.

While our statistically robust findings may nudge our peers into the realms of zany hypothesizing – picturing British self-employed workers channeling the spirit of New Mexico's surgeons like a transatlantic motivational force – our quirky revelations beckon a playful intellectual dance, accentuating the intrinsic charm of scholarly inquiry.

In essence, amidst the august halls of academia, our "Surgens" Effect unfurls as a jovial interlude, a shimmering moment of scholarly comedic relief that, while striding gallantly through the corridors of statistical significance, gleefully winks at the latent whimsy underpinning the world of labor dynamics. Our investigation stands testament to the enthralling marriage of seriousness and light-heartedness, beckoning the academic community to embrace the matrimonial bond of knowledge and amusement with a fervent chuckle and a knowing smirk.

6. Conclusion

In conclusion, our delightfully eccentric investigation into the "Surgens" Effect has revealed a remarkably substantial correlation between the number of surgeons in New Mexico and the median weekly earnings of self-employed workers in the United Kingdom. While at first glance this unexpected entanglement might prompt a raised eyebrow or even a bemused chuckle, our robust statistical measures attest to the validity of this whimsical connection. The visual representation of this correlation in our scatterplot serves as a whimsical testament to the unanticipated humor that can be found in the world of data analysis.

The implications of our findings may provoke a wry smile or a lighthearted quip, prompting playful speculation about the mysterious mechanisms underlying this transatlantic interplay. As we bid adieu to this comedic foray into statistical revelation, we encourage our esteemed colleagues to embrace the jovial contemplation of the "Surgens" Effect and perhaps even unleash a snicker or two as they ponder the delightful peculiarity of our discoveries.

In the spirit of scholarly merriment, we assert with a grin and a tip of the hat that no further research is needed in this humorous, though statistically significant, realm.