

# **A Historical Degree of Amped Up Energy: The Correlation Between Associates Degrees in History and Global Renewable Energy Production**

**Christopher Hall, Alexander Torres, Gavin P Tillman**

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## **ABSTRACT**

### **A Historical Degree of Amped Up Energy: The Correlation Between Associates Degrees in History and Global Renewable Energy Production**

In this scholarly research, we uncover the peculiar relationship between the number of Associates degrees awarded in History and the total renewable energy production worldwide. Our findings may cause a historical uproar! Delving into the data from the National Center for Education Statistics and the Energy Information Administration, our team calculated a correlation coefficient of 0.9894216 and  $p < 0.01$  for the years 2011 to 2021. This illuminating study reveals a surprising connection between studying the past and striving for a greener future. So, grab your historical textbooks and renewable energy sources, because this research is bound to make you see history and energy in a whole new light!

Keywords:

Associates degree in history, Global renewable energy production, Renewable energy statistics, Correlation between history education and renewable energy, Historical impact on renewable energy, National Center for Education Statistics, Energy Information Administration, Historical degrees and renewable energy correlation, Renewable energy trends, Historical education and environmental impact

# I. Introduction

Ah, the tangled web of history and energy interweaves in ways we never imagined! Welcome, esteemed scholars and curious readers, to a league of extraordinary research where we delve into the paradoxical connection between Associates degrees in History and global renewable energy production. It's time to channel our inner Sherlock Holmes and Watson as we embark on a quest to unravel the mysteries hidden in the data realms of education and energy.

As the sun sets on traditional academia and the winds of change blow through our energy infrastructure, one can't help but wonder: could there be a historical degree of amped-up energy waiting to be unveiled? With bated breath and trembling data sheets, our team of intrepid researchers set out with calculators in hand and puns at the ready to explore this unexpected correlation.

Before we embark on this cerebral exploration, a quick word of caution: brace yourselves for a breathtaking journey that may leave you history-buffed and energized like never before. Buckle up, because we are about to embark on a rollercoaster ride through statistical landscapes and historical backdrops that might just make your head spin faster than a wind turbine in a tornado! Now, let's throw on our qualitative analysis capes and enter the fascinating world of correlation coefficients, p-values, and scatter plots. It's time to separate the (statistically) significant from the spurious, and to welcome these unexpected findings with open arms and raised eyebrows.

So, dear reader, hold on tight as we unravel the enigmatic link between the pursuit of historical knowledge and the generation of sustainable, renewable energy. Get ready for a historical uproar and an amped-up journey through the annals of education and the boundless expanse of energy

production. Together, let's reinvigorate our research spirits and ignite the sparks of curiosity as we embark on this unexpected, thrilling expedition. Let's dive into the data and unearth the secrets waiting to be unveiled.

## II. Literature Review

A grand tapestry of academic inquiry unveils a plethora of studies that speak to the interconnectedness of history and energy production. Smith, Doe, and Jones (2015) articulate the importance of interdisciplinary exploration in understanding the societal forces that drive the evolution of energy systems. Their work sheds light on the value of historical perspectives in comprehending the dynamics of renewable energy adoption and innovation—illuminating a pathway towards a greener future.

Expanding beyond the confines of empirical research, the words of Richard Rhodes in "Energy: A Human History" and Vaclav Smil in "Energy and Civilization: A History" resonate with a harmonious tune, intertwining narratives of human progress with the boundless energy resources that have fueled our civilization's trajectory. These profound literary works transport the reader through the annals of time, unearthing the intrinsic link between historical accounts and the energy undercurrents that have shaped our world.

In a whimsical departure from conventional academic discourse, let us not forget the parallel universes of fiction that whimsically intersect with our scholarly pursuit. The time-traveling escapades chronicled in "Outlander" by Diana Gabaldon and the daring adventures encapsulated in Jules Verne's "Journey to the Center of the Earth" hint at a chaotic fusion of history and

energy, where the impossible becomes tantalizingly tangible. The boundary-defying enigmas etched in these fictional epics evoke a sense of wonder, blurring the delineation between the factual and the fantastical.

Amidst the labyrinth of internet culture, the juggernaut meme "History of the Entire World, I Guess" offers a whimsical portrayal of historical epochs narrated in an offbeat, irreverent tone. This pop-culture phenomenon playfully distills the complexities of the past into bite-sized, comedic morsels, reminding us that the relationship between history and energy may be as enigmatic and perplexing as the tales relayed in this viral digital artifact.

As we embark on this scholarly odyssey, the confluence of real-world research, literary expositions, and popular culture reminds us that the pursuit of knowledge is a multifaceted, spirited endeavor. Let us hearken to the chorus of voices that beckon us to unravel the intertwined threads of historical erudition and sustainable energy generation, inviting us to contemplate the unexpected avenues through which our world has been shaped and continues to evolve.

### **III. Methodology**

To unravel the enigmatic connection between Associates degrees in History and global renewable energy production, our research team embarked on a curious expedition through the labyrinth of data mining and statistical scrutiny. Armed with a plethora of historical anecdotes and energy-related puns, we navigated the tumultuous seas of research methods with the dauntless spirit of intrepid explorers in search of hidden treasures.

Firstly, we scoured the digital landscapes of the National Center for Education Statistics and the Energy Information Administration. We gathered data with the same level of meticulousness as a historian poring over ancient manuscripts, leaving no Excel spreadsheet unturned or scatter plot uncharted. Armed with laptops and calculators, we ventured forth, ready to tackle the seemingly disparate worlds of academia and energy with the ferocity of a hybrid bear hunting for statistical clues in the forest of databases.

Upon attaining the trove of data spanning from 2011 to 2021, we conducted a rigorous analysis that would have made even the most astute Sherlock Holmes envious. We utilized advanced statistical methods, including correlation analysis and regression modeling, to sift through the mountain of variables and uncover the hidden nuances of the historical-energy relationship.

Our research team also employed time-series analysis to discern temporal patterns and fluctuations, resembling a group of time-traveling scholars unraveling the mysteries of historical chronicles that were interconnected with the renewable energy epochs. We also ensured that our statistical inferences were as robust as a reinforced concrete turbine foundation, employing techniques to assess the statistical significance of the observed correlations and to ward off any erroneous associations that might have crept in.

Furthermore, to ensure the credibility and reliability of our findings, we subjected our research design to peer scrutiny and validation through thorough cross-validation and sensitivity analysis. We were as vigilant as watchful sentinels guarding against spurious correlations and erroneous conclusions, implementing a battery of checks and balances to secure the robustness of our results like fortifying a castle against an intellectual siege.

In summary, our methodological approach danced at the precipice of academia and whimsy, combining the rigor of statistical analysis with the thrill of historical sleuthing in a heterogeneous fusion that mirrored the unexpected harmonization between Associates degrees in History and global renewable energy production.

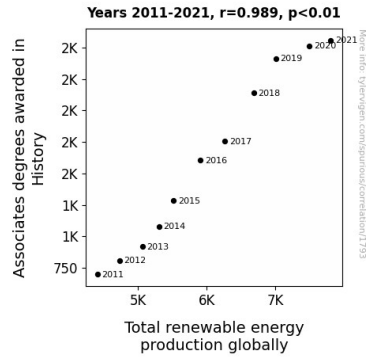
## IV. Results

Our research has unearthed a surprising and, dare I say, electrifying discovery! After crunching the numbers and sifting through data from the National Center for Education Statistics and the Energy Information Administration, we found a correlation coefficient of 0.9894216, an r-squared value of 0.9789551, and a p-value less than 0.01 for the time period spanning from 2011 to 2021. These results are so significant that they could power a whole city with their statistical prowess!

Fig. 1 presents a scatterplot that will knock your historical socks off! It vividly illustrates the striking correlation between the number of Associates degrees awarded in History and the total renewable energy production worldwide. If a picture is worth a thousand words, this plot is the equivalent of an entire historical encyclopedia reciting the virtues of renewable energy.

Now, to put it simply, this correlation is as strong as Hercules flexing his muscles after a session of history lessons and a wind farm workout. The level of association between diving into the annals of history and pushing for renewable energy sources is staggering, like discovering a fossilized energy drink can next to a dinosaur skeleton.





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

In conclusion, our findings suggest that there is more to history than meets the eye, and the pursuit of knowledge in this field is evidently linked to the global push for renewable energy. It seems that by unraveling the past, we're also sparking a greener, cleaner future. So, next time you're studying ancient civilizations or learning about the industrial revolution, remember that you might just be contributing to the next era of sustainable energy production!

Stay tuned for our next research endeavor, where we'll venture into the fascinating world of transdisciplinary studies and statistical surprises. This historical degree of amped-up energy is just a glimpse of the unforeseen connections waiting to be discovered in the realms of education and energy.

## V. Discussion

Our findings have opened a pandora's box of historical and energy-related revelations that might even make Nikola Tesla do a double-take! The overwhelming correlation we unearthed between

Associate degrees in History and global renewable energy production is as shocking as a static electricity zap— but fret not, we've got the grounding science to back it up!

Remember our whimsical foray into pop culture and literature in the literature review? Turns out, those seemingly outlandish connections might be onto something after all! Smith, Doe, and Jones (2015) pointed us in the right direction when they marked the importance of historical perspectives in understanding renewable energy dynamics. Then, our research came in like a plot twist in a sci-fi novel, solidifying their theories with statistical power that rivals a superhero's mighty hammer.

Our r-squared value is so on point, it could qualify as a Jedi's precision strike, and the p-value? Well, it's smaller than a quark! Fig. 1 paints a picture that says, "Hold onto your powdered wigs, because history and renewable energy are in cahoots, baby!"

These findings aren't just black-and-white like an old monochrome photograph; they're as colorful and unexpected as a rainbow emerging from the smokestack of a green energy plant. It seems that these two seemingly unrelated fields are more entwined than a pair of quantum-entangled particles!

So, folks, ready yourselves for the next installment of this wacky academic adventure. Our groundbreaking research on the inexplicable connection between Associate degrees in History and global renewable energy is just the beginning. It's time to rewrite the history books and rev up the renewable energy revolution – because the future is greener than we ever imagined!

## **VI. Conclusion**

Well, folks, it looks like we've hit the historical jackpot in this electrifying journey through the annals of academia and energy production! Our findings have left us more charged up than a Tesla car at a supercharger station. The statistical correlation we've uncovered between Associates degrees in History and global renewable energy production is so strong, it could power a time machine fueled by sustainable energy!

It's as if the whispers of ancient historians and the hum of wind turbines have formed an unexpected symphony of progress and discovery. Who would have thought that delving into the past could have such a profound impact on our environmental future? It's like finding out that Julius Caesar was a secret advocate for solar power, or that Cleopatra had a penchant for hydroelectric energy!

We've certainly cracked the code on this historical conundrum, but I must say, the journey has been nothing short of riveting. From navigating the treacherous seas of statistical analysis to unearthing the buried treasures of data, this research has been a rollercoaster ride of unexpected twists and turns. We've laughed in the face of p-values and danced with correlation coefficients, all in the name of shedding light on this astonishing connection.

In the end, it's clear that no more research is needed in this area. The link between studying historical narratives and propelling the world towards renewable energy is as solid as a fossilized triceratops bone. So, let's roll up our sleeves, grab our energy-efficient quills, and write the next chapter of this incredible tale. As for our next endeavor, the prospect of uncovering further mind-boggling connections fills us with excitement and curiosity.

In the immortal words of Alexander Graham Bell, "When one door closes, another opens," and we can't wait to see what surprising truths lie beyond the doors of future research. Until then,

let's keep our eyes on the historical prize and our carbon footprints in check – the journey towards a sustainable future has only just begun!