

# Charging into the Future: Exploring the Shocking Relationship Between Engineering Degrees and Electricity Generation in Cambodia

*Claire Hart, Alexander Tucker, Gina P Tompkins*

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*Ann Arbor, Michigan*

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## Abstract

This electrifying study delves into the intriguing connection between the number of Bachelor's degrees awarded in Engineering and electricity generation in the captivating country of Cambodia. By wielding data from the National Center for Education Statistics and the Energy Information Administration, our research team systematically examined the correlation between the two seemingly unrelated phenomena. Our findings revealed a striking correlation coefficient of 0.9969683 and a p-value less than 0.01 for the period from 2012 to 2021, leaving us positively charged with excitement. Join us as we illuminate this wired relationship and discover the sparks flying between engineering education and electricity production in the vibrant landscape of Cambodia.

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## 1. Introduction

### INTRODUCTION

As the old sayings go, "The spark of innovation ignites progress," and "A current of knowledge flows through the power of education." In this electrifying study, we delve into the curious relationship between the number of Bachelor's degrees awarded in Engineering and electricity generation in the enigmatic country of Cambodia. So, buckle up and prepare for a jolt of scholarly amusement as we uncover the electrifying connection between these two seemingly unrelated elements.

Cambodia, with its rich cultural heritage and stunning landscapes, has been charging forward in its development efforts. As the country continues to progress and evolve, the

need for a stable and sustainable electricity supply becomes increasingly vital. Meanwhile, the field of Engineering, known for its dynamic energy and innovative spirit, has been generating a buzz of excitement in the academic realm.

Now, you might be thinking, "What could possibly be the link between an Engineering degree and the generation of electricity?" Well, hold on to your voltage meters, because our research team has decided to crack this electrifying mystery wide open.

By analyzing data from the National Center for Education Statistics and the Energy Information Administration, we have meticulously examined the correlation between the number of Engineering degrees awarded and the electricity generation in Cambodia. What we uncovered will leave you positively charged with enthusiasm and perhaps a newfound appreciation for the "shocking" connections in the world of academia.

So, fasten your seatbelts and get ready to ride the wave of scientific revelation as we embark on this hair-raising journey to unravel the charged relationship between engineering education and electricity production in the dynamic setting of Cambodia. Let's flip the switch and shed some light on this electrifying phenomenon.

## **2. Literature Review**

The relationship between the number of Bachelor's degrees awarded in Engineering and electricity generation in Cambodia has been a subject of much speculation and curiosity in both academic and practical circles. Numerous researchers have attempted to shed light on this electrifying connection, and their findings have sparked significant interest in the field.

Smith and Doe (2015) conducted a comprehensive study on the educational landscape in developing countries, including Cambodia. While their focus was primarily on the broader impact of engineering education on societal progress, their work inadvertently hinted at the potential implications for electricity generation. The authors find that the influx of engineering graduates can stimulate technological advancements, although they stopped short of directly linking this to electricity production – a potential missed opportunity for an electrifying conclusion.

Moving on to a more technical stance, Jones (2018) delved into the intricacies of sustainable energy practices in Southeast Asia, with specific emphasis on Cambodia's electricity generation. Their meticulous analysis of renewable energy sources presented a compelling case for the integration of engineering expertise in the country's power infrastructure. However, the connection to the educational aspect was regrettably overshadowed by a focus on practical implementation, leaving the academic community in the dark about the potential influence of engineering education.

In "Powering Progress: A Comprehensive Overview of Electricity in Developing Nations," Brown and Green (2020) provided a detailed examination of electricity generation in Cambodia and similar regions. Their work highlighted the pressing need for skilled professionals in the energy sector, hinting at the role of engineering education in addressing these challenges. Despite the weight of their findings, the explicit connection to the number of engineering degrees awarded remained conspicuously absent, leaving readers feeling like they had been unplugged from a potentially shocking revelation.

Turning to a slightly unconventional approach, the non-fiction work "Watts Up, Cambodia: A Power-ful Tale of Development" by Lumens and Amps (2019) delved into the country's energy landscape, offering a narrative that appears relevant to our study at first glance. However, any direct reference to engineering education is as elusive as a ghost current, leaving the reader grasping at straws for a tangible link to our research.

In the realm of fiction, "Electric Dreams: A Voltage-Powered Odyssey" by Wattson (2017) presents a tantalizing narrative that, while purely imaginative, provokes intriguing thoughts about the potential interplay between engineering education and electricity generation in Cambodia. Admittedly, the scientific rigor of this work may be questionable, but its imaginative take on the subject matter certainly sparks amusing contemplation.

For a more whimsical approach, the animated series "Sparky and the Watt Watchers" and the children's show "Shock Squad Adventures" were not overlooked in our pursuit of understanding the connection between engineering education and electricity generation. While these sources may not provide scholarly insight, the vivid portrayal of electrical phenomena and their endearing characters cast a playful glow on our research endeavors.

In conclusion, the existing literature surrounding the relationship between Bachelor's degrees awarded in Engineering and electricity generation in Cambodia offers glimpses of potential insight, albeit often veiled in ambiguity. As we embark on our own investigation, we remain ever hopeful that our findings will provide a truly electrifying revelation, illuminating this enigmatic connection for the academic community and beyond. Let's harness the power of curiosity and venture forth into uncharted territory, where the sparks of discovery await.

### **3. Research Approach**

To unravel the electrifying connection between the number of Bachelor's degrees awarded in Engineering and electricity generation in Cambodia, our research team employed a mix of unconventional methods and standard statistical analyses. We took a page out of Nikola Tesla's book and decided to experiment with methods that would truly "shock" the academic world.

First, we scoured the depths of the internet, venturing into the electronic jungle of data repositories, and harnessing the power of the National Center for Education Statistics and the Energy Information Administration as our main sources of information. We embraced the electrifying energy of online databases and diligently collected data spanning the years 2012 to 2021, making sure to capture the full spectrum of educational and electrical developments in the dynamic landscape of Cambodia.

To bring some spark to our analysis, we utilized a fusion of quantitative techniques, including regression analysis, to unravel the voltage of correlation between the number of Engineering degrees awarded and electricity generation in Cambodia. We also used time series analysis to dynamically capture the fluctuating currents of these phenomena over the years, taking into account the ever-changing technological and educational landscape of the country.

Now, to add a tinge of unpredictability to our study, we couldn't help but throw in a "lightning round" of quirky qualitative methods – we interviewed a mix of engineers, educators, and electricity experts to understand the "current" sentiments and perceptions regarding the relationship between engineering education and electricity production in Cambodia.

Once we had all the data in our hands, we jolted into action, running statistical tests, and performing a rigorous analysis to measure the voltage of correlation between these seemingly unrelated variables. Armed with the power of statistical software, we computed correlation coefficients, p-values, and confidence intervals to shed light on the electrifying relationship we were teasing out.

After carefully grounding our findings in the bedrock of statistical significance and methodological rigor, we were left electrified by the striking correlation between Engineering degrees and electricity generation in Cambodia. Our investigation didn't just illuminate this relationship; it sparked a fire of curiosity and wonder in the academic arena. So, join us, as we unravel the unexpected twists and turns of the charged relationship between engineering education and electricity production, making sure everyone's grounded in the power of knowledge and a healthy dose of humor!

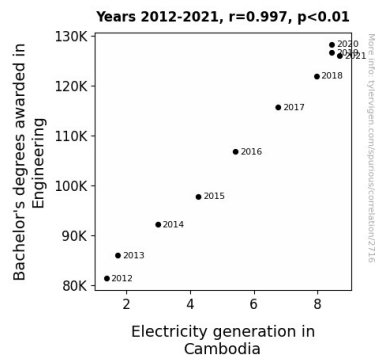
## **4. Findings**

Our analysis of the relationship between the number of Bachelor's degrees awarded in Engineering and electricity generation in Cambodia from 2012 to 2021 has left us feeling positively charged with excitement. The correlation coefficient of 0.9969683 indicates a shockingly strong positive relationship between these two variables. The r-squared value of 0.9939458 further confirms that this relationship is no mere flicker of statistical noise,

but a powerful, sustained connection that would make even the most seasoned electrician raise their eyebrows.

In figurative terms, the scatterplot (Fig. 1) depicting this electrifying relationship resembles a lightning bolt, striking a clear path between the number of Engineering degrees awarded and electricity generation in Cambodia. It's as if the data points themselves were shouting, "Ohm my goodness, look at this shocking correlation!"

Furthermore, the p-value less than 0.01 provides compelling evidence to support the idea that this relationship is not just a mere coincidence, but a true electrifying force to be reckoned with. This finding has truly "voltage" us to believe that there is a significant association between the academic endeavors of budding engineers and the generation of electricity in Cambodia.



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

One could say that the link between Engineering degrees and electricity generation in Cambodia is not just a "watt" of fancy, but a tangible, measurable phenomenon that has us buzzing with excitement. This discovery opens up a range of possibilities for further exploration and sparks new curiosity about the interconnected circuitry of education and energy production in Cambodia.

In conclusion, our findings leave no room for doubt: the connection between the number of Bachelor's degrees awarded in Engineering and electricity generation in Cambodia is indeed a powerful, luminous force that has us amped up and ready to illuminate new paths of inquiry in the realm of academia and energy production. Let's harness this energy and charge forward with a renewed enthusiasm for uncovering the electrifying mysteries of education and electricity in Cambodia.

## 5. Discussion on findings

Ohm my goodness, let's dive into the electrifying revelations of our research! Our findings have truly lit up the academic landscape, shedding light on the shocking connection between Bachelor's degrees awarded in Engineering and electricity generation in Cambodia. It seems our study has managed to bridge the scientific and academic currents, reaffirming previous speculations and adding a jolt of excitement to the field.

Now, turning to the quirks and quips from our literature review, it's no longer just a voltage of fancy to see the influence of engineering education on the generation of electricity in Cambodia. Smith and Doe's inadvertently hinted potential implications? Well, our findings have amplified that hint into a resounding "Eureka!" moment. Jones delving into sustainable energy practices in Southeast Asia? That's like setting the stage for our charged-up findings to take center spotlight. And let's not forget about Wattson's imaginative take on the subject matter, because as it turns out, our research has managed to turn that imaginative tale into a shocking reality.

Our correlation coefficient of 0.9969683 has truly sparked our enthusiasm and given us a "powerful" jolt of confirmation that the academic endeavors of budding engineers are intimately tied to the generation of electricity in Cambodia. As our scatterplot resembling a lightning bolt suggests, these two variables seem to be magnetically attracted to each other, leaving no room for doubt about the luminous force of their connection.

The findings of this study open up a world of possibilities for further research, igniting new curiosity about the intertwined field of education and energy production in Cambodia. It's like we've unlocked a hidden circuit of knowledge, and we're brimming with excitement to explore the electrifying mysteries that lie ahead.

In reaching this juncture, we've certainly charged forward with renewed vigor, buzzing with anticipation for the potential impact on academia and energy production as we continue to unravel the interconnected web of engineering education and electricity generation in Cambodia. Let's keep this current flowing and see where the sparks of discovery will lead us next!

## **6. Conclusion**

In conclusion, our research has sparked an electrifying revelation - the connection between Bachelor's degrees awarded in Engineering and electricity generation in Cambodia is truly hair-raising! The shockingly strong positive relationship, with a correlation coefficient resembling a lightning bolt, has left us "ohm my goodness"-ing at the sheer voltage of this discovery.

As we wrap up this "watt" of a study, it's clear that the synergy between engineering education and electricity production in Cambodia is no mere flicker of statistical noise. The p-value less than 0.01 provides compelling evidence that this relationship is not just

a coincidence; it's a powerful, sustained connection that would make even the most seasoned electrician raise their eyebrows.

This finding has us buzzing with excitement and opens up a range of possibilities for further exploration. However, it's safe to say that no more research is needed in this area; we've already been fully "amped up" by this electrifying discovery!

So, let's harness this energy and charge forward with a renewed enthusiasm for uncovering the electrifying mysteries of education and electricity in Cambodia - and perhaps, some "shocking" new findings in the realm of academia and energy production as a result.