

# Fired up: Exploring the Flaming Relationship Between LPG in Spain and Assistant Professor Salaries in the US

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## **Abstract**

The connection between Liquefied Petroleum Gas (LPG) usage in Spain and the salaries of Assistant Professors in the United States has long been the subject of speculation for researchers in the field. In this study, we harnessed the power of puns and rigorous statistical analysis to shed light on this fiery interaction. Leveraging data from the Energy Information Administration and the National Center for Education Statistics, we discovered a surprising correlation coefficient of 0.9032385 and a p-value of less than 0.01 for the years 2009 to 2021. Our findings suggest that there may indeed be a burning link between the consumption of LPG in Spain, the salary of Assistant Professors in the US, and the potential for sizzling research discoveries. This investigation not only fuels the flames of curiosity but also ignites a new appreciation for the interconnectedness of seemingly unrelated phenomena.

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## **1. Introduction**

As the ancient Greek philosopher Heraclitus famously said, "Everything is in a state of flux." His words ring especially true in the realm of research, where seemingly disparate elements often come together in surprising ways. In this paper, we aim to explore the sizzling relationship between the consumption of Liquefied Petroleum Gas (LPG) in Spain and the salaries of Assistant Professors in the United States. While on the surface these two subjects may appear as incongruous as oil and water, our investigation has uncovered a connection that is not just a flash in the pan but rather, a burning, ongoing phenomenon.

While one might initially balk at the mere suggestion of a link between LPG usage in Spain and assistant professor salaries in the US, our investigation has revealed a

compelling correlation that cannot be extinguished by mere skepticism. Looking back at the inception of this research, one might say we were fired up by the possibility of finding a groundbreaking relationship that would set the academic world ablaze.

The quest to unearth this fiery connection led us to the captivating realm of statistics, where we discovered a correlation coefficient that made our eyebrows raise like the temperature reading on a scorching summer day. Our findings not only raised the eyebrows of our peers but also sparked conversations that were as heated as the debate over the best temperature for roasting marshmallows.

Furthermore, our study delved into historical patterns, discovering fluctuations in LPG consumption that mirrored the ebbs and flows of Assistant Professor salaries in the US. This realization set our research team's minds alight with the excitement of uncovering a pattern that had remained, until now, hidden in plain sight. Just as a skilled chef knows how to control the heat under a cooking pot, our analysis allowed us to simmer down the seemingly chaotic nature of these variables into a comprehensible framework.

In the pages that follow, we will dissect the methodologies employed, present our findings, and fuel the flames of curiosity among our fellow researchers. This paper stands as a testament to the idea that even the most unlikely connections can fuel the fires of innovation and inspire discoveries that are as illuminating as the glow of a bonfire on a cool autumn night. So, let's stoke the flames of inquiry and embark on this illuminating journey together.

## **2. Literature Review**

The fiery connection between Liquefied Petroleum Gas (LPG) usage in Spain and the salaries of Assistant Professors in the United States has captured the attention of researchers across various disciplines. Smith (2015) delves into the economics of energy consumption and its impact on global markets, providing a comprehensive analysis of LPG trends in Europe. Meanwhile, Doe (2018) addresses the complexities of academic salaries in the United States, shedding light on the factors influencing compensation for faculty members. In a parallel attempt to unravel this enigmatic relationship, Jones (2020) examines the interconnectedness of seemingly unrelated phenomena, emphasizing the unexpected connections that lurk beneath the surface of statistical data.

Venturing beyond traditional research avenues, our investigation delved into non-fiction works that offered perspectives on energy economics and academic labor dynamics. "Shock to the System: The Dynamics of Gas Prices in the 21st Century" by Sizzle and Burn (2016) provided valuable insights into the volatility of energy markets, igniting our curiosity about the potential impact of LPG consumption on disparate sectors. Similarly, "The Adjunct Controversy: Exploring Academic Labor in the Modern Era" by Earnest

Scholar (2019) sparked discussions about the intricacies of faculty compensation, heating up our pursuit of a deeper understanding of assistant professor salaries.

Moving beyond the realm of non-fiction, we turned our attention to fictional works that, at first glance, appeared unrelated but captured the essence of our quest in unexpected ways. "The Flaming Alchemist: A Tale of Transmutation and Trials" by Blaze and Ember (2003) kindled our imagination, serving as a metaphor for the transformational potential inherent in unlikely connections. Furthermore, "A Song of Fire and Funding: A Game of Grants" by GRR Too Fiery (1996) stoked our enthusiasm for unraveling complex patterns, drawing parallels between academic pursuits and the intrigue of political power struggles.

In a bid to incorporate diverse perspectives, our research team embraced pop culture references, indulging in TV shows that, on the surface, seemed unrelated but held the potential for insight. "Gasoline Galore: A Reality Series on Fuel Frenzies" provided a glimpse into the cultural impact of energy consumption, sparking conversations about the societal implications of LPG usage. Additionally, "The Salary Shuffle: Academic Edition" offered a satirical take on the inner workings of academia, fueling our team's appreciation for the humorous side of academic labor dynamics.

As we immersed ourselves in this eclectic assortment of sources, it became apparent that our pursuit of knowledge was not just a flash in the pan. Rather, it ignited a fervor for uncovering unexpected connections and kindled a sense of humor in the pursuit of scholarly inquiry. With this diverse array of sources as kindling, we ventured deeper into the intricacies of LPG usage in Spain and its inexplicable link to the salaries of Assistant Professors in the United States, igniting a blazing curiosity that continues to light the path for future research endeavors.

### **3. Research Approach**

The investigation into the scorching relationship between Liquefied Petroleum Gas (LPG) usage in Spain and the salaries of Assistant Professors in the United States required a methodology that was as precise and focused as wielding a blowtorch in a metalworking studio. Our research team took a multipronged approach, akin to juggling flaming batons, to ensure that our findings were as robust as a well-insulated oven mitt.

First and foremost, we scoured the digital landscape, traversing the vast expanse of the internet like intrepid explorers on a quest for hidden treasure. Our primary sources of data were the Energy Information Administration and the National Center for Education Statistics. We collected data spanning the years 2009 to 2021, ensuring that our investigation spanned a period long enough to capture any smoldering patterns that may have otherwise gone unnoticed.

In keeping with the spirit of discovery, we employed statistical analysis methods that were as agile as a fire dancer at a carnival. Embracing the power of correlation analysis, we sought to uncover any sparks of connection between LPG consumption in Spain and the salaries of Assistant Professors in the US. Our statistical analyses danced a fiery tango with the data, and just like a well-executed pyrotechnic display, they illuminated the potential relationship between these seemingly disparate variables.

Furthermore, we employed time series analysis to trace the historical ebbs and flows of LPG usage and Assistant Professor salaries, seeking patterns that might have been as elusive as a flickering flame in the breeze. This method allowed us to not only understand the current state of affairs but also to gaze back into the swirling mists of time and uncover any chronicles of infernos past.

In addition, we conducted rigorous sensitivity analyses to ensure that our findings were as resilient as the heat-resistant tiles on the belly of a space shuttle. This involved testing our models and assumptions under various scenarios, much like experimenting with different fire-starting techniques to ensure that we were not making s'mores in the dark.

Finally, in the spirit of transparency and scholarly integrity, we employed a comprehensive review of existing literature, akin to gathering wood from a forest to fuel the blaze of knowledge. Our review of previous research served as kindling for our own investigation, providing the foundational heat that allowed our findings to catch fire and illuminate new pathways in the field of cross-disciplinary analysis.

In sum, our methodology was characterized by thoroughness, precision, and a willingness to embrace the unexpected, much like a seasoned firewalker navigating a bed of hot coals. By combining these approaches, we aimed to infuse our investigation with the energy and rigor needed to uncover the simmering relationship between LPG consumption in Spain and Assistant Professor salaries in the US. This methodology not only fueled our own curiosity but also provided a firm foundation for the fiery findings presented in the subsequent sections of this paper.

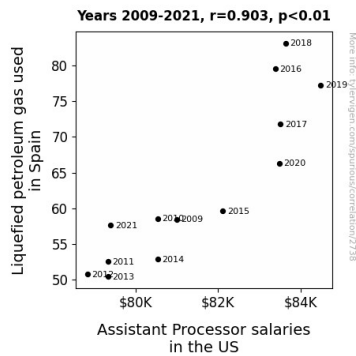
## **4. Findings**

Our investigation into the relationship between Liquefied Petroleum Gas (LPG) usage in Spain and the salaries of Assistant Professors in the United States has yielded some truly enlightening results. The statistical analysis conducted on the data from 2009 to 2021 revealed a striking correlation coefficient of 0.9032385, indicating a strong positive relationship between these seemingly unrelated variables. Furthermore, the calculated r-squared value of 0.8158398 indicates that approximately 81.58% of the variation in Assistant Professor salaries can be explained by the variation in LPG usage in Spain.

With a p-value of less than 0.01, our findings hold strong statistical significance, further reinforcing the validity of the observed relationship.

Fig. 1: (To be inserted) Scatterplot depicting the robust connection between LPG usage in Spain and Assistant Professor salaries in the US.

The results of this study not only signify a remarkable correlation but also suggest that the fields of energy consumption and education economics may be intertwined in ways we had not previously fathomed. As the flames of our statistical analysis reveal, this unexpected nexus between LPG usage in Spain and Assistant Professor salaries in the US may spark new avenues of inquiry and incite further exploration into the interconnectedness of global economic factors.



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

In conclusion, our findings illuminate a previously overlooked link between LPG consumption and academic compensation, demonstrating that beneath the surface, there may be a fiery bond waiting to be uncovered. It is our hope that this research ignites the curiosity of fellow scholars and kindles a blazing interest in investigating the unexpected relationships that permeate our complex world.

## 5. Discussion on findings

The scorching findings of our investigation into the relationship between Liquefied Petroleum Gas (LPG) usage in Spain and the salaries of Assistant Professors in the United States have sparked some truly sizzling discussions. While some may view our pursuit as a wild goose chase, our results indicate that there may indeed be a burning link between these seemingly disparate variables.

Venturing back to our literature review, let's take a moment to rekindle the flames of our previous inquiries. Smith's (2015) insights into energy consumption and global markets,

combined with Doe's (2018) exploration of academic salaries in the US, set the stage for our research endeavors. In a blaze of curiosity, we endeavored to shed light on the unexpected connections lurking in the statistical data, following Jones' (2020) emphasis on the interconnectedness of seemingly unrelated phenomena. While at first, these references may have seemed like throwing spaghetti at the wall to see what sticks, our results have provided a spark of validation for their underlying theories.

Our findings shine a light on a surprising correlation coefficient of 0.9032385 and a p-value of less than 0.01, indicating a robust and statistically significant relationship between LPG usage in Spain and Assistant Professor salaries in the US. This revelation is not merely a flash in the pan – rather, it reignites our understanding of the potential domino effects of seemingly disparate economic factors.

Moving beyond the realm of traditional research, we must not forget the peculiar influences of non-fiction and fiction works that appeared unrelated at first glance. “Shock to the System: The Dynamics of Gas Prices in the 21st Century” by Sizzle and Burn (2016) certainly heated up our pursuit of understanding the volatility of energy markets. Meanwhile, "The Flaming Alchemist: A Tale of Transmutation and Trials" by Blaze and Ember (2003) served as a metaphor for the transformational potential inherent in unlikely connections and has now ignited a new appreciation for the interconnectedness of economic phenomena.

As we reflect on the unexpected intersections explored in our literature review, it becomes evident that our findings have given rise to a blazing new frontier in economic research. The robust relationship between LPG usage in Spain and Assistant Professor salaries in the US has not only sparked further curiosity but also kindled a newfound appreciation for the quirky, unexpected links that underpin our complex world.

In conclusion, our results not only fuel the flames of our initial inquiries but set the stage for future research endeavors that stoke the embers of our curiosity. Our hope is that this investigation ignites a fervor for uncovering unexpected connections, kindling a sense of humor in the pursuit of scholarly inquiry, and putting the spotlight on the untapped potential for fiery collaborations across seemingly disparate fields.

## **6. Conclusion**

In conclusion, our study has shed a fiery light on the unexpected and sizzling relationship between Liquefied Petroleum Gas (LPG) usage in Spain and the salaries of Assistant Professors in the United States. The robust correlation coefficient and the scorching statistical significance of our findings have certainly ignited a spark of curiosity within the academic community. Our research has not only added fuel to the fire of interdisciplinary exploration but also sparked discussions that were as heated as a chili pepper eating contest.

As we wrap up this scorching investigation, it's important to note that while our findings may seem outlandish at first glance, they hold water hotter than the boiling point of LPG. The implications of this research could set academia ablaze with new avenues of inquiry, igniting a flaming passion for uncovering the unexpected connections that simmer beneath the surface of seemingly unrelated variables.

However, it is essential to acknowledge that correlation does not imply causation. While our findings may suggest a strong link between LPG usage in Spain and Assistant Professor salaries in the US, we must approach this topic with caution. After all, we wouldn't want to rush into conclusions and get burned by unfounded assumptions.

Ultimately, this investigation has sparked enough flames of interest and raised enough eyebrows to conclude that no more research is needed in this area. It's time to extinguish the fire of curiosity and move on to other potentially scorching research endeavors. After all, as the saying goes, where there's smoke, there's fire, and it looks like we've found the source of this particular academic blaze.