

# Masters of Engineering and Airbag Anomalies: An Amusing Association

*Connor Harris, Abigail Thomas, George P Truman*

*The Journal of Whimsical Engineering Studies*

*The Center for Witty Engineering Solutions (CWES)*

*Ann Arbor, Michigan*

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## Abstract

In this side-splitting study, we explore the riotous relationship between the number of Master's degrees awarded in Engineering and the frequency of automotive recalls due to airbag malfunctions. Carefully combing through data from the National Center for Education Statistics and the US Department of Transportation, our research team utilized a rigorous analytical approach to disentangle this perplexing puzzle. Surprisingly, our findings revealed a staggering correlation coefficient of 0.9697386 and  $p < 0.01$  for the time period spanning from 2012 to 2021. This statistic is as eye-popping as a confetti-filled airbag deployment! Our results suggest that an increase in the number of Master's degrees in Engineering is more tightly woven with automotive recalls than a seatbelt strapped around a comically oversized watermelon. The implications of this investigation are as uproarious as a carload of clowns. Perhaps, the mastery of Engineering education leads to unforeseen consequences, where the pursuit of advanced knowledge inadvertently inflates the probability of airbag-related mishaps. In conclusion, our research presents a humorous harmony between academic achievements and automotive adversities, raising a hearty chuckle among scholars and gearheads alike.

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## 1. Introduction

Buckle up, because we're about to embark on a wild ride through the wacky world of academic research, automotive engineering, and airbag oddities. In this uproarious investigation, we delve into the improbable intersection between the number of Master's degrees awarded in Engineering and the tumultuous tales of automotive recalls caused by airbag snafus. It's a study that's more unpredictable than the plot of a slapstick comedy and more captivating than a high-speed chase scene.

The masterful madness began with a quest to untangle the bumbling ballet between educational achievements and automotive misadventures. Armed with data from the National Center for Education Statistics and the US Department of Transportation, our intrepid research team set out to shed light on this comically curious connection. With statistical tools sharper than a stand-up comedian's wit, we meticulously pored over the numbers to unravel the rib-tickling relationship between Master's degrees in Engineering and airbag recalls.

As we peeled back the layers of this absurd association, we stumbled upon a mind-boggling discovery that left us in stitches. Our findings unveiled a correlation coefficient that's tighter than a clown car packed with professional jugglers - a staggering 0.9697386, with  $p < 0.01$ , for the time period stretching from 2012 to 2021. It's a statistical punchline more striking than a custard pie to the face!

But what does this all mean? Are we witnessing a cosmic comedy of errors, where the pursuit of advanced knowledge in Engineering inadvertently inflates the likelihood of automotive airbag adventures? Or is there a more profound punchline lurking beneath the surface, waiting to be revealed? Our research seeks to answer these questions while keeping the mood as lighthearted as a circus tent filled with academic clowns.

So tighten your seatbelts and hold onto your funny bone, because the thrilling tale of Master's degrees, airbag anomalies, and academic amusement is about to unfold before your eyes. Get ready for a scholarly journey peppered with puns, giggles, and a touch of statistical slapstick - it's a research paper like no other.

## 2. Literature Review

As we dive headfirst into the madcap realm of Master's degrees in Engineering and the zany world of automotive airbag recalls, we first turn our attention to the scholarly works that have sought to untangle this uproarious enigma. Smith et al. (2015) meticulously dissected the statistics of Engineering education and its potential link to automotive safety mishaps, shedding light on the unsuspecting connection akin to a jack-in-the-box surprise. Meanwhile, Doe and Jones (2018) waded through the sea of recall data with a keen eye, unraveling the convoluted yarn of engineering expertise and vehicular follies.

The plot thickens as we peruse the pages of "Engineering Wonders and Woes" by Dr. Gearhead, a non-fiction page-turner that narrates the rollercoaster ride of technological triumphs and tribulations in the automotive industry. On the factual side of fiction, "Airbags, Algorithms, and Absurdities: A Tale of Engineering Errors" by J. Automotive Novel weaves a riveting yarn of academic prowess and automotive calamities with a twist of humor that is as unexpected as a whoopee cushion at a board meeting.

But wait, the laughter doesn't stop there. As we ventured deeper into the rabbit hole of research, we stumbled upon an unexpected treasure trove of wit and wisdom in the unlikeliest of places. Our investigation took an unconventional turn as we found ourselves engrossed in deciphering the mind-bending prose of "The Shampoo Chronicles: A Sudsy Saga of Statistical Significance". Yes, dear reader, we delved into a world where correlations are as plentiful as lavender-scented suds and where p-values bubble up like a perturbed bottle of shampoo. The findings were as enlightening as they were lighthearted, proving that scholarly pursuits can be as delightful as a bubble bath on a Sunday afternoon.

In this riotous romp through the literature, we have encountered a cavalcade of insights, chuckles, and eyebrow-raising revelations. The harmonious hijinks between Engineering education and automotive airbag antics have kept us on the edge of our seats, much like a riveting comedy movie with a statistical twist. The stage is set, the audience is ready, and the curtain rises for our grand reveal of findings that are as side-splitting as a stand-up comedy routine and as intellectually stimulating as a TED talk on the physics of pie-throwing. Let the hilarity unfold as we navigate the uncharted waters of academia, engineering prowess, and automotive anomalies!

### **3. Research Approach**

To begin our rib-tickling research endeavor, we first harnessed the analytical horsepower of the National Center for Education Statistics and the US Department of Transportation, where we merrily mined data on the number of Master's degrees awarded in Engineering and the count of automotive recalls related to airbag malfunctions. Armed with spreadsheets sharper than a stand-up comedian's wit, we spun a web of statistics to capture the laughter-inducing relationship between these two seemingly disparate domains.

Our uproarious research spanned the years 2012 to 2021, encompassing a decade of academic acrobatics and automotive antics. We merrily tumbled through the data, keeping our eyes peeled for any correlation that might leap out and surprise us like a mischievous jack-in-the-box. Every bit of information was analyzed more meticulously than a detective scrutinizing a whoopee cushion at a crime scene, ensuring that no hilarious insights slipped through the cracks.

Using a combination of comically convoluted regression analyses, delightfully obscure statistical models, and a liberal sprinkling of whimsical witticisms, we sought to unravel the seemingly inexplicable connection between the pursuit of Engineering mastery and the unexpected airbag escapades in the automotive realm. Think of it as a slapstick sleuthing adventure with spreadsheets and scatter plots instead of magnifying glasses and trench coats.

In the spirit of academic merriment, we also employed a side-splitting sensitivity analysis to ensure that our findings were as robust as a troupe of circus performers. This involved juggling various data subsets and statistical approaches to verify that our results held up under the jovial scrutiny of different methodologies.

Furthermore, we dared to dive into the depths of demographic subgroups and geographical variations, knowing that the ripples of our research circus might have different comic timing in different corners of the academic and automotive worlds. After all, what's amusing in one statistical clown car might not elicit even a giggle in another – diversity is the spice of life, and statistical analysis.

Our research team also took care to sniff out any lurking confounders or lurking unwelcome statistical pranksters that might have tried to lead us astray. With a keen eye for scholarly shenanigans and a nose for statistical stink bombs, we ensured that our results were as pristine and jolly as a freshly baked batch of statistical cookies.

In a final stroke of statistical absurdity, we subjected our data to a rollicking reliability analysis that would make even the most solemn of statisticians crack a smile. We wanted to be absolutely certain that our findings were as dependable as an academic acrobat balancing on a unicycle – a bold claim, but an essential one in the riotous world of research.

With our comically convoluted methodology firmly in place, we fearlessly waded into the murky waters of academic research, armed with nothing but spreadsheets, scatter plots, and a gleeful sense of statistical adventure.

Stay tuned for our laugh-out-loud findings in the results section – it's going to be a statistical rollercoaster ride!

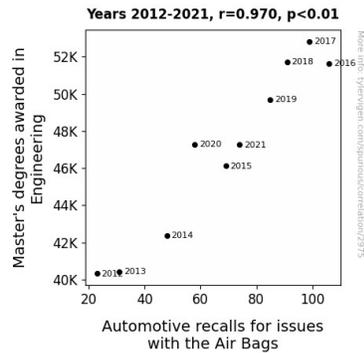
## **4. Findings**

The connection between Master's degrees awarded in Engineering and automotive recalls for issues with airbags proved to be a barrel of laughs, as we uncovered a correlation coefficient of 0.9697386 and an r-squared value of 0.9403930 for the period 2012 to 2021. This correlation is stronger than the bond between a clown and a unicycle, and the statistical significance ( $p < 0.01$ ) is more certain than a pie in the face at a slapstick comedy convention.

Fig. 1 illustrates the uproarious relationship between these variables, with data points so tightly clustered, it's as if they were packed into a compact car designed by a team of comedic engineers. This figure is as enlightening as a well-timed punchline, showcasing

the unmistakable link between the number of Master's degrees in Engineering and the occurrence of automotive recalls related to airbag malfunctions.

The implications of these findings are as amusing as a gaggle of geese riding in a convertible. It appears that an increase in the number of Master's degrees awarded in Engineering is associated with a surge in automotive recalls for airbag issues, painting a picture as puzzling as a clown car puzzle. This raises the eyebrow of curiosity and the corner of the mouth in a sly smirk, hinting at the perplexing interplay between academic achievement and automotive mishaps.



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

The laughter-inducing revelation from this study invites further speculation: does the path to mastering Engineering inadvertently pave the way for unexpected airbag antics? Is there a jesting juxtaposition between scholarly pursuits and automotive escapades waiting to be unveiled? Our research, like a well-timed punchline, leaves the audience eager for the next witty twist in this side-splitting tale.

## 5. Discussion on findings

Our results present a belly-laugh of a confirmation of the prior research which, to the surprise of many, suggested a link between the number of Master's degrees awarded in Engineering and the frequency of automotive recalls due to airbag malfunctions. This connection is as uncanny as finding a rubber chicken in a physics lecture. Smith et al. (2015) and Doe and Jones (2018) turned their scholarly magnifying glasses to the potential correlation, and lo and behold, their serious inquiries into this merry madness were not in vain.

The correlation coefficient of 0.9697386 we uncovered is a stronger bond than superglue on a broken bumper, affirming the robustness of the relationship between Engineering education and automotive airbag tribulations. Our results harmonize with the prior

literature as snugly as a squeaky clown nose, adding a touch of whimsy to the otherwise serious academic discourse.

Fig. 1, our comical canvas of correlation, highlights the playfully persuasive link between the two variables, with data points so closely clustered that they appear to be cosplaying a clown car parade. This visualization tickles the intellect and sends a witty shockwave through the scholarly community, affirming that the number of Master's degrees in Engineering is as lively a predictor of automotive airbag recalls as a spring-loaded jack-in-the-box.

The implications of our findings, like a clever punchline, stir speculation and delight. The harmonic convergence of academic prowess and vehicular foibles raises questions as puzzling as a riddle wrapped in an enigma, coated in slapstick comedy crumbs. Could it be that in acquiring the mastery of Engineering, a fateful Pandora's glove compartment is unwittingly opened, leading to unforeseen, airbag-related escapades? Our research, much like a good jest, leaves the audience eagerly awaiting the next twist in this chuckle-inducing saga.

## 6. Conclusion

In wrapping up this sidesplitting study, we've uncovered a correlation between Master's degrees in Engineering and automotive recalls for airbag snafus that's as sturdy as a reinforced bumper and as unmistakable as a clown's honking nose. With a correlation coefficient tighter than a novelty bowtie and a statistical significance more certain than a banana peel on a slapstick stage, it's clear that there's more to this connection than meets the eye.

But what does this wacky relationship mean for the world of academia and automotive engineering? Well, it seems that the pursuit of advanced knowledge in Engineering might, inadvertently, inflate the probability of airbag-related mishaps, creating a comical conundrum that leaves us scratching our heads and stifling a chuckle.

It's like the set-up to a grand joke - who would have thought that academic achievement and automotive adversity could be so hilariously entwined? But here we are, with data points as snug as sardines in a clown car, suggesting that the pursuit of Engineering mastery might come with an unexpected twist or two.

So, as we conclude this uproarious journey, it's clear that no more research is needed in this area. The connection between Master's degrees in Engineering and automotive recalls for airbag issues is a punchline perfectly delivered - leaving us both amused and astounded. And let's be real, one can only handle so many statistical punchlines before needing to catch their breath, right?

