Sticky Situations: The Adhesive Bonding Machine Operators in New Jersey and Their Link to US Bank Failures

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ABSTRACT

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The use of adhesive bonding machine operators in New Jersey has been a sticking point in the study of economic indicators. In this research, we explore the surprising connection between the number of adhesive bonding machine operators in the Garden State and the occurrence of US bank failures. Imagine the "bond" between these seemingly unrelated variables being stickier than superglue! Employing data from the Bureau of Labor Statistics and the Federal Deposit Insurance Corporation, we conducted a comprehensive analysis from 2010 to 2022. Our findings reveal a striking correlation coefficient of 0.8164906 and a remarkably significant p-value of less than 0.01, proving that there is indeed a strong relationship between these disparate elements. Talk about a "sticking" point in economic research!

Keywords:

adhesive bonding machine operators, New Jersey, US bank failures, economic indicators, correlation coefficient, p-value, Bureau of Labor Statistics, Federal Deposit Insurance Corporation

I. Introduction

The study of economic indicators is often a sticky situation, with researchers constantly striving to uncover the hidden connections between seemingly unrelated variables. In this paper, we delve into the intriguing association between the number of adhesive bonding machine operators in New Jersey and the occurrence of US bank failures. It's a bond that goes beyond just sticking things together – it's a statistical connection that may surprise even the most adhesive-minded analysts.

Now, you might be thinking, "What does adhesive bonding have to do with bank failures?" Well, stick around, and we'll unravel this adhesive mystery together! It's a tale of numbers, statistics, and a touch of humor to keep things from getting too cemented in seriousness.

Adhesive bonding machine operators, often working behind the scenes, have not been the focus of economic studies in the past. However, as we immerse ourselves in the world of statistical analysis, we find that these operators are not merely sticking to their routine tasks – they may hold a key piece to the economic puzzle. This discovery might just "seal" the deal on the importance of considering unconventional variables in economic research!

In the world of statistical analysis, we often encounter unexpected relationships that defy conventional wisdom. As we explore the correlation between adhesive bonding machine operators in New Jersey and US bank failures, we are reminded that in the realm of statistics, nothing should be stuck in stone. We are truly "bonding" with the data to reveal patterns that may have eluded previous researchers.

As we embark on this research journey, let's strive to maintain a sense of elasticity in our interpretations. After all, in the world of statistics, a bit of flexibility can prevent us from getting stuck in rigid assumptions. Plus, it gives us the opportunity to sneak in a dad joke or two along the way – a statistical analysis, if you will, of humor distribution in academic writing!

So, without further ado, let's peel back the layers of this intriguing relationship and explore the adhesiveness of economic variables in a way that's not just about sticking to the status quo. After all, in the world of research, a little "bonding" can go a long way!

II. Literature Review

The study of economic indicators and their interplay with unexpected variables has led researchers to uncover surprising connections that challenge traditional economic paradigms. In "Smith et al.'s Study on Unconventional Economic Indicators," the authors find that seemingly unrelated variables, such as the number of adhesive bonding machine operators in New Jersey, may hold significance in understanding economic trends. As we delve further into the adhesive realm, we encounter a plethora of literature that sheds light on this unexpected correlation.

Enter "The Adhesive Revolution" by John Doe, a comprehensive exploration of the role of adhesives in modern industries. While the book primarily focuses on technological advancements, Doe's insights inadvertently opened the door to understanding the economic implications of adhesive-based professions. Who would have thought that the world of economics could stick its nose into the world of adhesive technology? Deepening our exploration, the works of Martha Jones in "Adhesion Economics: A Sticky Situation" provide a thought-provoking analysis of unconventional economic indicators. Jones' examination of non-traditional variables prompts us to consider the adhesive bonding machine operators as more than just individuals tasked with sticking things together – they might just hold a clue to understanding broader economic shifts. It seems the economics literature is getting quite "stuck" on the topic of adhesion!

Moving into the realm of fiction that seems oddly relevant, the classic "The Adhesive Anomaly" by Arthur C. Clarke presents a futuristic society where economic prosperity hinges on unorthodox factors, including the role of adhesive-based occupations. Though a work of fiction, Clarke's portrayal of an adhesive-centric economy offers a whimsical perspective on the potential impact of seemingly minor professions in shaping macroscopic economic outcomes. It's almost as if he knew the stickiness of economic analysis would become a hot topic!

Now, turning to more unexpected sources of insight, the famed cartoon series "The Adventures of Adhesive Andy" provides a lighthearted, yet surprisingly relevant, take on the world of adhesive bonding. While the show's primary aim is entertainment, its depiction of adhesive-related occupations might just hold a nugget of truth. Perhaps there's something to be learned from the escapades of a cartoon character navigating the sticky world of professional adhesion. Who would have thought that Saturday morning cartoons could offer insight into economic research?

In the whimsical realm of children's literature, "The Sticky Solutions of Sarah and Sam" by Linda Lemon introduces young readers to the concept of problem-solving through creative uses of adhesives. While not a traditional research source, this children's book serves as a playful reminder that unconventional thinking and imaginative exploration may lead to unexpected connections in academic pursuits. It seems that even the youngest minds are being drawn into the captivating world of adhesive economics!

As we navigate through this diverse array of sources, ranging from scholarly literature to fictional narratives and childhood entertainment, the underlying theme remains clear – the study of adhesive bonding machine operators in New Jersey goes well beyond the surface-level "stickiness." These seemingly unrelated variables have woven themselves into a tapestry of economic inquiry, challenging researchers to embrace unconventional perspectives and, of course, to appreciate the occasional adhesive-related pun.

III. Methodology

Ah, the nitty-gritty details of our adhesive adventure! In this methodological section, we'll unravel the intricacies of how we tied together the number of adhesive bonding machine operators in New Jersey and US bank failures. Prepare for a pun-tastic journey through data collection, statistical analysis, and a sprinkle of statistical humor to keep things from getting too stuck in the serious business of research.

First and foremost, we embarked on a thorough data collection endeavor, scouring the virtual landscape for nuggets of information like intrepid scientific treasure hunters. Our primary sources of data included the Bureau of Labor Statistics and the Federal Deposit Insurance Corporation (FDIC), which provided us with a sticky tapestry of numerical insights spanning the years 2010 to 2022.

We utilized a combination of quantitative and qualitative methods, endeavoring to adhere to the best practices in research while maintaining a sense of creativity. We were "bonded" to the idea that a touch of innovation could yield surprising results, much like discovering a hidden roll of tape in the back of a cluttered desk drawer.

To assess the number of adhesive bonding machine operators in New Jersey, we employed a combination of surveys, employment records, and industry reports. Goo-d grief, you wouldn't believe the sticky situations we encountered while untangling the workforce statistics in this specialized field. Dad joke incoming: why did the adhesive bonding machine operator go to therapy? Because they were feeling too stuck in their job!

In parallel, we delved into the FDIC's data on US bank failures, diligently tracking the rise and fall of financial institutions across the nation. It was like peeling back the layers of a particularly stubborn label – each piece of information revealing a tale of financial flux and fiscal stickiness. We were "bonding" with the data, you might say.

Once we amassed our dataset, it was time to bring out the heavy statistical artillery. We calculated correlation coefficients, performed regression analyses, and engaged in multivariate modeling with all the finesse of a maestro conducting a symphony. We were determined to uncover the hidden patterns and connections, even if it meant wading through statistical glue to do so.

In the realm of statistical analysis, we held fast to the principles of rigor and transparency. Each variable was scrutinized, examined, and prodded with the curiosity of a scientist marveling at a particularly intriguing specimen. Our goal was to leave no statistical stone unturned, even if it meant a few sticky fingers along the way.

As we adopted this hybrid approach of quantitative precision and qualitative insight, we remained ever cognizant of the potential for unexpected twists and turns in our findings. After all, in the world of research, being too rigid might lead to a situation that's, well, "adhesive" to progress.

Sticking to the plan, we applied a variety of statistical tests to scrutinize the relationship between the number of adhesive bonding machine operators in New Jersey and the incidence of US bank failures. It was a journey filled with number crunching, chart plotting, and the occasional exclamation of "Eureka!" when a compelling pattern emerged from the statistical jumble. We were on a mission to peel back the layers of economic correlation, armed with a sense of scientific humor to keep our spirits buoyant.

In summary, our methodology blended the precision of statistical analysis with the flexible adaptation of research innovation. We took the road less traveled, much like a roll of doublesided tape veering off the conventional path of adhesive endeavors. With a dash of statistical flair and a pinch of scientific whimsy, we unraveled the connection between adhesive bonding machine operators in New Jersey and US bank failures, turning a potentially sticky situation into a masterclass of statistical "bonding."

IV. Results

Our analysis of the relationship between the number of adhesive bonding machine operators in New Jersey and US bank failures has unveiled some truly sticky findings. From 2010 to 2022, we found a noteworthy correlation coefficient of 0.8164906, demonstrating a strong positive relationship between the two variables. This connection is as undeniable as a piece of tape stuck to your finger – you just can't shake it off!

Notably, the r-squared value of 0.6666569 indicates that approximately 66.67% of the variation in US bank failures can be attributed to the number of adhesive bonding machine operators in New Jersey. That's a percentage higher than the likelihood of finding a roll of tape when you need it in the office – quite remarkable, if you ask us!

With a p-value of less than 0.01, our results are statistically significant, providing robust evidence that the correlation we uncovered is not merely a fluke. It's not just a coincidence that as the number of adhesive bonding machine operators increases, the occurrence of US bank failures also tends to rise. It's a relationship that sticks like glue – pun intended!



Figure 1. Scatterplot of the variables by year

Now, to visually capture the essence of this adhesive relationship, we present Fig. 1. This scatterplot showcases the clear and compelling correlation between the number of adhesive bonding machine operators in New Jersey and US bank failures. It's a graph that speaks louder

than words, reminding us that in the world of statistics, what may initially seem as unrelated as tape and banking can actually stick together in a meaningful way – pardon the pun!

In conclusion, our research has brought to light a surprising and significant connection between the employment of adhesive bonding machine operators in New Jersey and the occurrence of US bank failures. This finding emphasizes the importance of considering unconventional variables in economic research and prompts further investigation into the factors underlying this peculiar correlation. After all, in the dynamic world of statistics, rarely does anything adhere to the expected pattern without a twist or two along the way!

V. Discussion

Our investigation into the relationship between the number of adhesive bonding machine operators in New Jersey and US bank failures has unearthed some truly adhesive insights. The remarkable correlation coefficient of 0.8164906 and the r-squared value of 0.6666569 affirm the compelling bond between these seemingly unrelated variables. It's almost as if these variables are "stuck" together like a roll of tape and a desperate need for a sticky note – you just can't keep them apart!

Our results echo the earlier work of Smith et al., who first hinted at the potential significance of unconventional economic indicators. Much like the adhesive bonding machine operators sticking to their tasks in New Jersey, our findings firmly adhere to the notion that unorthodox variables can indeed offer valuable insights into economic phenomena. Building on John Doe's insights into the role of adhesives in modern industries, our research highlights that the "stickiness" of economic indicators goes beyond mere wordplay. It's clear that the adhesive bonding machine operators don't just bond materials – they also bond with economic trends, forming a connection as strong as a well-applied layer of adhesive!

Drawing from Martha Jones' thought-provoking analysis of non-traditional variables, our study cements the notion that even the most unexpected factors can have a tangible impact on economic dynamics. The link between adhesive bonding and US bank failures may have seemed far-fetched at first, but the evidence is sticking around like a good dad joke – it's hard to shake off!

Our results bring a touch of reality to Arthur C. Clarke's vision of an adhesive-centric economy. While his "fictional" portrayal of unconventional economic influences may have seemed farfetched, our research suggests that the phenomena he imagined aren't as far from reality as one might think. It seems Clarke's vision wasn't just a "sticking" point of imagination after all! Furthermore, our findings resonate with the lighthearted yet surprisingly relevant depictions of adhesive-related occupations in "The Adventures of Adhesive Andy." It turns out that there's truth to be found even in the whimsical world of animated adhesives – just like there's a bit of adhesive left on your finger after peeling a sticker!

Finally, our study reinforces the notion that unconventional thinking and imaginative exploration, as exemplified in "The Sticky Solutions of Sarah and Sam," can yield unexpected connections in academic pursuits. Much like the protagonists of Lemon's children's book, we've discovered that sometimes the most unlikely combinations – adhesive bonding machine

operators and US bank failures – hold the key to unraveling complex economic interrelationships.

In essence, our research underscores the profound importance of considering unconventional variables in economic analysis. Similar to how a piece of tape pulls together two disparate objects, our findings have stuck with us, compelling further inquiry into the intriguing factors underpinning this adhesive correlation. After all, in the world of research, unusual connections often turn out to be the "sticky" glue holding together groundbreaking discoveries!

VI. Conclusion

In conclusion, our research sheds light on the unexpectedly sticky connection between the number of adhesive bonding machine operators in New Jersey and US bank failures. It seems the association between these seemingly unrelated variables is as strong as a roll of duct tape in a fixer-upper's toolbox - you just can't ignore it!

Our findings, with a correlation coefficient of 0.8164906 and a p-value of less than 0.01, are as robust as a well-constructed adhesive bond. It's a statistical relationship that sticks, much like the adhesive used by our operators – and believe us, that's one tough bond to break!

The r-squared value of 0.6666569 tells us that approximately 66.67% of the variation in US bank failures can be attributed to the number of adhesive bonding machine operators. That's a higher percentage than the chances of a bank teller saying, "I'm stuck with work," on a hectic day – statistically significant indeed!

It's safe to say that our research has uncovered a bond stronger than any epoxy resin – a relationship that's as solid as a concrete statistical finding. Moreover, it highlights the need to explore unconventional variables in economic research, because sometimes the most adhesive connections are found in the unlikeliest places.

In the spirit of good humor and research, let's wrap up with a fitting dad joke: Why did the adhesive bonding machine operator go to therapy? Because they were feeling stuck in their relationship with US bank failures! Oh, the pun-demonium!

In summary, the adhesive bonding machine operators in New Jersey are more than just sticky situations – they're integral components in understanding economic dynamics. Therefore, we can confidently assert that no further research is needed in this area. We've already unraveled the stickiness of this relationship - no need to stick our noses in it any further!