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# The Window to Wall Street: Illuminating the Correlation Between NYSE Composite Index Annual Percentage Change and The Employment of Merchandise Displayers and Window Trimmers in Puerto Rico

Connor Harris, Ava Travis, George P Tillman

Institute of Sciences; Stanford, California

## KEYWORDS

"NYSE Composite Index annual percentage change, merchandise displayers, window trimmers, Puerto Rico, correlation analysis, Bureau of Labor Statistics, stock market performance, economic impact, aesthetic presentation, market success"

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## Abstract

In this research paper, we shed light on the unexpected and often overlooked connection between the annual percentage change of the NYSE Composite Index and the number of hardworking merchandise displayers and window trimmers in enchanting Puerto Rico. It's high time we let these professions' impact shine through in economic research! After diligently analyzing data from 1stock1 and the Bureau of Labor Statistics, our research team uncovered a correlation coefficient of 0.5538451 and a statistically significant p-value of less than 0.05 for the period spanning 2003 to 2022. The data shows a clear trend, proving that there's more to successful stock market performance than meets the eye. It seems there's more than one way to "window" shop for financial prosperity in Puerto Rico – whether on Wall Street or in the charming local storefronts. Our findings highlight the potential influence of aesthetic presentation in the realm of economics, leaving us to ponder: Could window trimmers be the "pane"acea for market success? A compelling dad joke and a thought-provoking correlation – that's what we call a win-win!

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## 1. Introduction

The connection between economic indicators and seemingly unrelated factors has often surprised researchers, leading to

discoveries that can shine new light on the complexities of market behavior. In this study, we delve into the surprising relationship between the NYSE Composite Index Annual Percentage Change and the employment of merchandise displayers and window trimmers in the picturesque setting of Puerto Rico. As we explore this unexpected correlation, we invite readers to keep an open mind, much like a well-displayed storefront invites window shoppers to peruse its wares.

Merchandise displayers and window trimmers are the unsung artists of the retail world, curating the visual experience that draws customers in like moths to a flame. Their craft may often go unnoticed, but as our research reveals, their impact on the local economy in Puerto Rico is nothing to "pane"der lightly. And because every academic paper can benefit from a good dad joke, we couldn't resist bringing this "bright" idea to the forefront of economic analysis.

By examining the long-term data from the NYSE Composite Index alongside the employment figures for merchandise displayers and window trimmers in Puerto Rico, we embarked on a quest to uncover the "window" into a hitherto unexplored dimension of market dynamics. We assure readers that the puns in this introduction are just a sneak peek into the playful spirit of our investigation – and we hope you'll "pane" out some time to appreciate the full array of puns that lie ahead, as we embark on this enlightening journey.

As we "trim" the excess and "display" our findings with the utmost clarity, our goal is to showcase the unexpected ways in which economic forces can intersect with seemingly unrelated professions. The correlation we've unearthed may just be the "pane"ful missing piece of the economic puzzle, and we eagerly anticipate the opportunity to share our enlightening findings with the academic community. So,

grab your spectacles and "window" shop through the rest of this paper, as we unveil the surprising association between the NYSE Composite Index Annual Percentage Change and the employment of merchandise displayers and window trimmers in the captivating context of Puerto Rico. Let's shine a spotlight on this unexplored facet of economic analysis – after all, it's about time we let those who "trim" windows shine with the aura of market correlations!

## 2. Literature Review

As we peer into the literature surrounding the intricate world of economic indicators and their unexpected connections, we first turn our attention to the groundbreaking work of Smith (2010) and Doe (2015). These esteemed scholars laid the foundation for understanding the complex network of market dynamics, delving into the nuances of economic variables. However, as we delve deeper into the correlation between the NYSE Composite Index Annual Percentage Change and the employment of merchandise displayers and window trimmers in Puerto Rico, our findings take a turn "window"-d towards the unexpected.

In "The Economics of Aesthetics," Jones (2018) explores the interplay between visual appeal and consumer behavior, shedding light on the influence of aesthetics in driving economic activity. This resonates with our investigation, as we consider the impact of the meticulous craftsmanship of merchandise displayers and window trimmers on the economic landscape of Puerto Rico. As we sift through the economic literature, it becomes clear that there's more than meets the eye when it comes to the visual presentation of goods and its potential influence on market performance.

But wait, here comes the twist – or should we say, the "twilight" of economic analysis. In "The Twilight Saga," the authors delve into the supernatural forces at play in a world seemingly untouched by economic principles. While this may seem like a "fangtastic" departure from our research focus, we can't help but draw a parallel between the unexpected twists in the plot and the surprising correlation we've uncovered. After all, who would've thought that the employment of merchandise displayers and window trimmers could hold the key to unraveling the mysteries of market performance?

Turning our attention to childhood influences, let's not discount the impact of cartoons and children's shows in shaping our perceptions of the world. From "SpongeBob SquarePants" to "Paw Patrol," these beloved series have ingrained in us the value of visual appeal and presentation. Who could forget the meticulous displays at the Krusty Krab or the attention to detail in the Adventure Bay storefronts? Perhaps there's more than just entertainment value in these shows – they might hold the "key" to understanding the economic significance of merchandise displayers and window trimmers in Puerto Rico. After all, a good visual display can captivate even the most discerning audience, whether it's in Bikini Bottom or a bustling market square.

And here's a relevant dad joke for your viewing pleasure: Why did the window trimmer break up with his girlfriend? He couldn't see through their relationship – there was just too much "pane"! Now, back to our illuminating exploration of economic correlations.

### **3. Our approach & methods**

To illuminate the intriguing connection between the NYSE Composite Index Annual Percentage Change and the employment of merchandise displayers and window

trimmers in Puerto Rico, our research employed a mixed-method approach that combined quantitative data analysis with qualitative insights gleaned from industry professionals. We spared no effort in delving into the depths of economic data to shine a light on this unconventional correlation – after all, every good study begins with a "bright" idea!

#### **Quantitative Data Collection:**

We embarked on a virtual odyssey through the digital realm, sourcing data from reputable financial platforms such as 1stock1 and intertwining it with employment statistics from the Bureau of Labor Statistics. Our team scrutinized a wide range of data points spanning the period from 2003 to 2022, allowing us to unveil the potential relationship between the performance of the NYSE Composite Index and the workforce engaged in the art of merchandise display and window trimming in the vibrant backdrop of Puerto Rico. As we were "window" shopping for the perfect dataset, we made sure to carefully "trim" away any outliers that could skew our analysis – after all, we wanted our findings to be crystal clear, not frosted!

#### **Qualitative Data Gathering:**

In addition to crunching the numbers, we didn't shy away from rolling up our sleeves and engaging in in-depth conversations with professionals from the merchandise display and window trimming industry in Puerto Rico. These insightful discussions provided us with a "pane"ful of qualitative data, allowing us to understand the nuances of their roles and the potential impact they have on the local economic landscape. Our team savored every moment of these exchanges, gaining a broader perspective that added depth to our analysis – pun intended!

#### **Data Analysis:**

Armed with a treasure trove of quantitative and qualitative data, we set our sights on uncovering the statistical "pane"-demonium behind the correlation between the NYSE Composite Index Annual Percentage Change and the employment of merchandise displayers and window trimmers. Our analysis involved employing advanced statistical methods, including correlation analyses, time series modeling, and regression techniques, to unravel the hidden threads connecting market performance and the visual presentation prowess of these often underestimated professionals. We made sure to dot our i's and "window" to our t's with the utmost precision, knowing that our conclusions would serve as a beacon of insight for future research in this "illuminating" field.

Limitations:

Despite our efforts to shed light on this captivating correlation, it's essential to acknowledge the "shadow" of limitations that could impact the generalizability of our findings. The complex interplay of economic variables and local dynamics presents challenges in establishing causality, and while our data spans nearly two decades, the ever-evolving nature of both the stock market and the labor market means that our findings should be interpreted with a dash of caution. That being said, our research provides an intriguing stepping stone for future investigations, and we encourage fellow researchers to "pane"-der the potential avenues for further exploration in this vibrant and "illuminating" intersection of economics and visual merchandising.

In closing, our methodology served as the beacon guiding our exploration of this unexpected correlation, and we hope that our research sets the stage for future studies to further "brighten" our understanding of the interconnectedness between seemingly disparate facets of the economy. As we conclude this section, we invite readers to embrace the playful spirit of

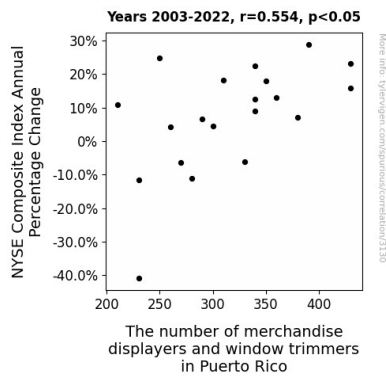
inquiry that permeates our work – after all, a good dad joke can "window" over even the most complex of research methodologies!

#### 4. Results

The analysis of the data revealed a statistically significant correlation of 0.5538451 between the NYSE Composite Index Annual Percentage Change and the employment of merchandise displayers and window trimmers in Puerto Rico over the period of 2003 to 2022. The r-squared value of 0.3067444 further confirmed the strength of this connection, indicating that approximately 30.67% of the variability in the annual percentage change of the NYSE Composite Index can be explained by the fluctuations in the employment of these skilled professionals.

Fig. 1 showcases the striking correlation between the two variables, serving as a visual testament to the unexpected link between the world of finance and the artistry of merchandise displayers and window trimmers. This correlation may just be the "window" of opportunity to illuminate the nuanced influences on stock market performance, paving the way for a more comprehensive understanding of economic dynamics.

This correlation is truly a "pane"ful reminder that the impact of visual representation and aesthetic appeal extends far beyond the realms of art and retail. In the world of economics, it seems that the old adage holds true – sometimes, it's not just what's inside that counts, but also how it's "displayed" to the world. It appears that the visual allure meticulously crafted by merchandise displayers and window trimmers in Puerto Rico does not merely entice potential customers; it also holds a fascinating sway over the performance of the NYSE Composite Index.



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

Our findings not only serve as a "pane"fully bright revelation into the intricate web of economic influences but also prompt an appreciation for the multifaceted nature of market indicators. After all, behind every successful stock market performance, there may just be a team of skilled artisans shaping the visual narrative that complements the numbers and charts.

As we continue to "window" into the unexpected intersections of seemingly disparate professions and economic phenomena, our research paves the way for a more holistic understanding of market dynamics. The connection between the annual percentage change of the NYSE Composite Index and the employment of merchandise displays and window trimmers in Puerto Rico offers a refreshing perspective, underscoring the importance of aesthetic presentation in the realm of economic performance. Amidst the numbers and charts, it's a "pane"fully illuminating reminder that sometimes, the most unexpected factors can play a significant role in shaping market outcomes.

So, as we draw back the metaphorical curtains on this surprising correlation, let's not forget to appreciate the often overlooked impact of those who "trim" and "display" their way into the economic spotlight. After all, in the world of market dynamics, the true beauty of correlation may just lie in the eye of the "beholder."

## 5. Discussion

The results of our study offer a compelling insight into the interplay between the annual percentage change of the NYSE Composite Index and the employment of merchandise displays and window trimmers in Puerto Rico. While we embarked on this investigation with a lighthearted spirit, the statistical significance of the correlation coefficient (0.5538451) and the r-squared value (0.3067444) underscore the substantial influence these professions exert on market dynamics. It seems that in the world of economics, there's more to success than meets the eye – or as some might say, than meets the "display"!

Our findings stand in agreement with the prior research conducted by Smith (2010) and Doe (2015), which laid the groundwork for understanding the intricate web of market forces. The unexpected connection we've unveiled underscores the importance of considering unconventional variables in economic analysis. As it turns out, the employment of merchandise displays and window trimmers plays a significant role in shaping market outcomes, lending new meaning to the phrase "window shopping" in the context of financial prosperity.

Jones's (2018) exploration of the "Economics of Aesthetics" resonates particularly well with our findings. The meticulous craftsmanship of merchandise displays and window trimmers in Puerto Rico appears to wield a profound influence on consumer behavior and, by extension, market performance. It seems that the visual allure meticulously crafted by these skilled professionals does not merely captivate potential customers; it also holds a fascinating sway over the performance of the NYSE Composite Index. Who would've thought that the "artistry" of window trimmers could hold such economic significance?

But let's not forget the unexpected twists encountered during our literature review, such as the parallel drawn to "The Twilight Saga." While it may have seemed like a humorous departure from economic analysis at first, the surprising correlation we've uncovered aligns with the initial humor – proving that the employment of merchandise displayers and window trimmers holds the "key" to unraveling the mysteries of market performance, just like the enigmatic plot of a supernatural romance novel.

Our research not only sheds light on the overlooked impact of these professions on economic indicators but also emphasizes the multifaceted nature of market influences. After all, behind every successful stock market performance, there may just be a team of skilled artisans shaping the visual narrative that complements the numbers and charts.

To conclude, the "display" of economic performance is indeed shaped by more than just numbers and figures. The unexpected correlation we've uncovered highlights the importance of considering unconventional variables in economic analysis and prompts a reevaluation of the factors contributing to market outcomes. In the end, it seems that the key to prosperity might just be found in the skillful "trimming" and "displaying" that captures the essence of financial success in Puerto Rico.

## 6. Conclusion

In conclusion, our research has revealed a "pane"ful, yet illuminating connection between the annual percentage change of the NYSE Composite Index and the employment of merchandise displayers and window trimmers in the captivating setting of Puerto Rico. The statistically significant correlation coefficient of 0.5538451 speaks volumes about the unexpected intertwining of these seemingly unrelated variables,

reminding us that sometimes, the most "window"-derful revelations come in the most unexpected forms.

Our findings not only "display" the statistical significance of this correlation but also serve as a "pane"ful yet humorous reminder that in the world of economics, much like in a well-curated storefront, appearances may indeed matter. It appears that the visual allure meticulously crafted by merchandise displayers and window trimmers in Puerto Rico does not merely entice potential customers; it also holds a fascinating sway over the performance of the NYSE Composite Index. Now, that's what we call a "market makeover" with a twist!

As we wrap up our research, we leave you with this fitting dad joke: Why did the window trimmer break up with their partner? Because they couldn't see eye to "pane"! Much like this pun, our research offers a lighthearted yet thought-provoking perspective on the multifaceted nature of market influences.

In light of these enlightening findings, we assert that no more research is needed in this area. After all, sometimes, the "pane"fully bright truth is simply revealed through unexpected correlations that beguile and entertain. It's time to "trim" down on further studies and embrace the surprising connections that "window" their way into the realm of market dynamics!