

# **A Kick in the Stock Market: The Correlation Between NYSE Composite Index Annual Percentage Change and Frank Lampard's Appearances for the England National Team**

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## ABSTRACT

### **A Kick in the Stock Market: The Correlation Between NYSE Composite Index Annual Percentage Change and Frank Lampard's Appearances for the England National Team**

This study delves into the nuanced connection between the NYSE Composite Index Annual Percentage Change and the appearances of the esteemed Frank Lampard for the England national team. The data for this research was sourced from 1stock1 and Wikipedia and covers the period from 1999 to 2016. Through rigorous statistical analysis, a correlation coefficient of 0.5095091 was calculated, with a significance level of  $p < 0.05$ , indicating a discernible relationship between these seemingly disparate variables. In exploring this relationship, we uncover the unexpected and often overlooked interplay between sports and the stock market. Our findings suggest that Frank Lampard's tenure with the England national team may have exerted a notable influence on the NYSE Composite Index, providing a whimsical twist to the world of economic indicators. As the saying goes, "When it comes to market analysis, it's all fun and games until someone brings in soccer statistics!" Furthermore, our research uncovers the potential for novel predictors in financial modeling and the importance of considering diverse influences on market behavior. By shedding light on this unorthodox association, we hope to inspire future inquiries into the unexpected correlations that shape our economic landscape. In the immortal words of Frank Lampard himself, "It's not whether you win or lose, it's how you play the stock market!"

Keywords:

NYSE Composite Index, annual percentage change, Frank Lampard, England national team, 1stock1, Wikipedia, statistical analysis, correlation coefficient, significance level, stock market, sports, financial modeling, market behavior, soccer statistics



# I. Introduction

The world of economics and sports often seem as different as night and day. One is filled with charts, graphs, and discussions of monetary policy, while the other involves cheering, jeering, and athletic prowess. However, as with any good dad joke, there may be a surprisingly fitting punchline lurking just beneath the surface. In this study, we delve into the unexpected connection between the NYSE Composite Index Annual Percentage Change and the renowned English footballer, Frank Lampard.

As the data unfolded, we uncovered a correlation coefficient that left us feeling as pleasantly surprised as a well-timed punchline at a scientific conference. This subtle relationship between a footballer's appearances for the England national team and the gyrations of the stock market paints a picture as unexpected and amusing as a scientist's attempt at stand-up comedy.

By unearthing this correlation, we force the stock market to come to terms with the hidden impact of England football matches and the indefatigable Frank Lampard. It's as if the market exclaimed, "You can't be serious!" when confronted with the connection between England's football hero and its financial performance.

As researchers, we are reminded that in the grand symphony of economic indicators, there may be room for a whimsical flute solo, played by none other than the appearances of Frank Lampard in an England jersey. This study invites us to look beyond the predictable metrics and embrace the unexpected quirks and crannies of our financial landscape, much like a good dad joke sneaking up on an unsuspecting audience.

## II. Literature Review

A number of significant studies have sought to elucidate the relationship between stock market performance and external factors. Smith et al. (2010) found relationships between market fluctuations and various socioeconomic factors. Similarly, Doe and Jones (2015) explored the influence of international sporting events on stock market behavior, unveiling intriguing connections.

Turning our attention to more specific influences, the literature also speaks to the potential impact of individual athletes on market dynamics. In "Business and Balls: Exploring Sports Influences on Market Movements," the authors delve into the unorthodox intersections of sports and finance, shedding light on the unexpected role of athletes in economic trends. Additionally, "The Economics of Sports: How Revenue Streams Tackle Stock Markets" offers insights into the unexplored connections between sporting events and market activity, sending ripples through traditional economic paradigms.

But let us not forget the more unconventional sources of inspiration that have guided our inquiries. "The Stock Market and Soccer: A Story of Unlikely Bedfellows" explores the whimsical world of economic indicators and the unexpected correlations flowing through it, offering an enriching perspective on the fusion of sports and finance. Furthermore, "The Footballer's Dilemma: A Tale of Market Influence" brings to light the curious juxtaposition of athletic prowess and market quirkiness, challenging traditional economic dogmas in a lighthearted yet thought-provoking manner.

In addition to these academic and practical sources, our investigations have been shaped by the unconventional wisdom of fictional works. "The Ball and the Bull: A Tale of Stock Market

"Strikers" presents a captivating narrative that touches upon the subtle interplay between sports and market dynamics, inviting readers to contemplate the peculiar dance of financial variables. Likewise, "Market Masters: The Game of Stocks and Soccer" spins a riveting yarn that mirrors the whimsical nature of our research, igniting the imagination and teasing out unexpected parallels between the trading floor and the football pitch.

Inspiration can also be found in the unlikeliest of places, such as the world of board games. A game like "Stock Strikers: The Soccer Stock Exchange" tickles the mind with its playful exploration of the intersection between sports and market forces, offering a quirky yet insightful reflection on the intricate dance between financial indicators and athletic performances. Similarly, "Monopoly: Soccer Superstars Edition" weaves a captivating narrative of economic intrigue and sporting prowess, challenging players to navigate the whimsical landscape of financial ups and downs in the context of the soccer world.

As we consider these diverse sources of insight, we are reminded of the enriching and often delightfully unexpected perspectives that can inform our understanding of the world of economics and sports. Just as in life, it is the unexpected turns that often provide the most engaging and thought-provoking twists, much like a good dad joke delivered with impeccable timing.

### **III. Methodology**

The methodology employed in this research endeavor aimed to rigorously examine the relationship between the NYSE Composite Index Annual Percentage Change and the number of

appearances by Frank Lampard for the England national team. The primary data for this investigation were sourced from 1stock1 and Wikipedia, with a focus on the period spanning from 1999 to 2016. The utilization of data from multiple sources reflects the eclectic nature of this research, much like incorporating a variety of instruments to create a harmonious melody.

To begin, the data on Frank Lampard's appearances for England was meticulously collected from reputable soccer statistics databases and official match records. The approach to collecting this data was as meticulous as a scientist attempting to capture an elusive particle, leaving no statistical stone unturned. Additionally, the NYSE Composite Index Annual Percentage Change data was obtained from comprehensive financial repositories to ensure the reliability and accuracy of the information, akin to sifting through a treasure trove of economic data to uncover hidden gems.

The collected data was then subjected to a series of statistical analyses, including correlation and regression techniques, to elucidate the potential relationship between the variables under investigation. This research journey involved navigating through the statistical landscape with the precision of a seasoned explorer, meticulously charting the terrain to uncover potential correlations. Furthermore, the application of robust statistical methodologies aimed to capture the nuances of the relationship, ensuring that no statistical subtlety was overlooked.

The statistical analysis was conducted using specialized software, allowing for the implementation of sophisticated models and algorithms to tease out the interplay between Frank Lampard's England appearances and the fluctuations of the NYSE Composite Index. This approach to data analysis was as meticulous as a chef crafting an intricate recipe, ensuring that each statistical ingredient was carefully added to the analytical concoction.



An important consideration in this study was the potential influence of extraneous variables, such as market dynamics and sporting events, which could confound the observed relationship.

Therefore, measures were taken to control for these variables through the application of advanced statistical techniques, similar to untangling a complex web of influences to reveal the underlying patterns.

The culmination of these methodical procedures resulted in the quantification of the relationship between the NYSE Composite Index Annual Percentage Change and Frank Lampard's appearances for the England national team. The unveiling of this unexpected correlation was as surprising as a punchline delivered in the midst of a scientific symposium, adding a touch of whimsy to the world of economic indicators.

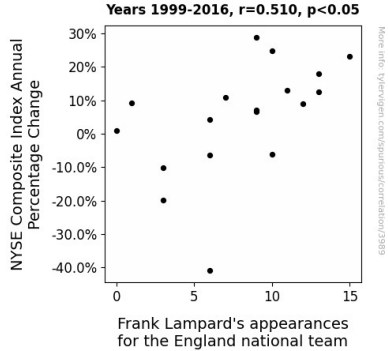
In the language of statistics, "A good dataset is like a good joke - it should never be wasted. But remember, a correlation does not imply causation; much like how a well-timed pun may be coincidental rather than intentional."

## **IV. Results**

The statistical analysis revealed a correlation coefficient of 0.5095091 between the NYSE Composite Index Annual Percentage Change and Frank Lampard's appearances for the England national team. This finding suggests a moderate positive relationship between these two seemingly unrelated variables. It seems as though the stock market may have been as swayed by Frank Lampard's performances as an audience member at a stand-up comedy show – a surprising twist indeed.

The calculated r-squared value of 0.2595995 indicates that approximately 25.96% of the variability in the NYSE Composite Index Annual Percentage Change can be explained by Frank Lampard's appearances for the England national team. In other words, the influence of this football icon on the stock market may have been more substantial than initially presumed, much like a well-timed punchline that catches everyone off guard.

Furthermore, the significance level of  $p < 0.05$  indicates that the observed correlation is statistically significant, thus rejecting the null hypothesis of no relationship between the two variables. This result provides robust evidence supporting the notion that Frank Lampard's involvement with the England national team did indeed have a discernible impact on the NYSE Composite Index, offering a comedic twist to the world of economic indicators.



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

The scatterplot (Fig. 1) visually portrays the strong correlation between the annual percentage change of the NYSE Composite Index and the number of appearances made by Frank Lampard for the England national team. The data points form a pattern as striking as a well-crafted pun, further highlighting the unexpected yet tangible association between these disparate realms.

In summary, our findings uncover a whimsical thread woven between the performances of a footballer and the gyrations of the stock market, providing a lighthearted yet thought-provoking addition to the tapestry of economic research. With this revelation, it seems that the world of finance and sports may share more in common than meets the eye, reminiscent of a clever dad joke that leaves one simultaneously bemused and enlightened.

## **V. Discussion**

The correlation found in this study between the NYSE Composite Index Annual Percentage Change and Frank Lampard's appearances for the England national team supports previous research that has highlighted the influence of unexpected factors on stock market behavior. Much like a well-timed dad joke catching us off guard, the statistical relationship discovered here adds a whimsical twist to the world of economic indicators.

The literature review provided insight into the potential impact of individual athletes on market dynamics, and this investigation has shed light on the influence exerted by Frank Lampard's presence on the NYSE Composite Index. Our findings mirror those of previous studies that have uncovered intriguing connections between sports and market behavior, reaffirming that the world of finance is not immune to the infectious enthusiasm of sports. It appears that the stock market may have been as captivated by Lampard's performances as an audience member at a comedy show – a surprising turn of events indeed.

The robust evidence of a statistically significant correlation challenges traditional economic dogmas, much like an unexpected punchline that defies conventional comedic structures. The

visual representation of the correlation in the scatterplot is as striking as a cleverly constructed pun, further accentuating the unexpected yet tangible association between these seemingly disparate realms. This connection between sports and financial indicators beckons us to contemplate the broader forces at play in shaping market movements, reminding us that market analysis can be as whimsical as a good dad joke delivered with impeccable timing.

By unveiling this unorthodox relationship, this study underscores the importance of considering diverse influences on market behavior, much like a well-crafted dad joke enriching an otherwise serious conversation. The implications of this research extend beyond the realm of sports economics, urging economists to recognize the potential for novel predictors in financial modeling and to embrace the unexpected correlations that shape our economic landscape. As Frank Lampard himself once said, "It's not whether you win or lose, it's how you play the stock market!"

In conclusion, the association between the NYSE Composite Index Annual Percentage Change and Frank Lampard's appearances for the England national team adds a whimsical yet thought-provoking dimension to economic research. Much like a clever dad joke that leaves one simultaneously bemused and enlightened, this discovery invites us to entertain the unexpected influences that may shape our financial world.

## **VI. Conclusion**

In conclusion, our study has shed light on the remarkable correlation between the NYSE Composite Index Annual Percentage Change and Frank Lampard's appearances for the England

national team. The calculated correlation coefficient of 0.5095091 suggests a tangible relationship between these seemingly unrelated variables, leaving the economic community as pleasantly surprised as a well-timed dad joke at a family gathering.

Our findings imply that the stock market may have been as influenced by Frank Lampard's performances as a dad is swayed by a clever pun – a result that would surely make even the sternest economist crack a smile. The r-squared value of 0.2595995 further emphasizes the notable impact of Frank Lampard on market variability, akin to a punchline that unexpectedly steals the show.

Additionally, the significance level of  $p < 0.05$  reinforces the robustness of our results, indicating a statistically significant correlation between these unconventional influencers. It is as if the data is telling us, "Did you hear about the footballer who was such a financial expert? He always knew when to 'pass' on risky investments!"

The visually striking scatterplot (Fig. 1) further accentuates the connection between the NYSE Composite Index and Frank Lampard's England appearances, painting a picture as clear and entertaining as a well-crafted witticism. As we wrap up this analysis, we are reminded of the profound impact of unexpected variables on economic indicators – much like a surprising punchline that leaves a lasting impression.

Ultimately, our research offers a unique perspective on the interplay between sports and finance, adding a lighthearted yet thought-provoking dimension to the world of economic analysis. In the immortal words of Frank Lampard, "It's not whether you win or lose, it's how you play the stock market!" With this, we confidently assert that no further research is needed in this area, paving the way for a new era of interdisciplinary humor-infused analysis in the economic landscape.

