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# Goal Time: The Kick in Box Office Sales - A Correlational Study of Steinfeld Cup Final Scores and Top Movie Ticket Sales

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## Abstract

In the enthralling world of sports and entertainment, our study sets out to uncover the interplay between the nail-biting outcomes of the Steinfeld Cup Finals and the box office triumphs of the year's top movie. Drawing data from the hallowed halls of Wikipedia and The Numbers, we embarked on a quest to unravel the mysterious connection between the prowess of the Steinfeld Cup contenders and the ticket sales of the silver screen's reigning champion. As we crunched the numbers, a correlation coefficient of 0.7397010 and  $p < 0.01$  for the period spanning 2001 to 2013 emerged, unveiling a fascinating relationship between the two seemingly disparate domains. Our findings not only shed light on the alignment of sports fervor and cinematic fascination but also hint at the uncanny synchronicity of athletic triumphs and blockbuster hits. So, as we reflect on the roar of the crowd in the stadium and the applause in the theater, this study serves as a testament to the far-reaching impact of victory, be it on the field or on the silver screen.

## 1. Introduction

In the alluring realm where sports and cinema collide, our study delves into the curious dance between the exhilarating finish of the Steinfeld Cup Finals and the box office dominance of the year's hottest movie. With data sourced from the sacred archives of Wikipedia and The Numbers, we embarked on a daring expedition to unravel the enigmatic link between the triumphs of the Steinfeld Cup contenders and the ticket sales of the silver screen's reigning champion. As we waded through the sea of data, a correlation coefficient of 0.7397010 and a p-value of less than 0.01 for the years 2001 to 2013 emerged, revealing an intriguing relationship between the seemingly divergent domains.

Now, I know what you're thinking - what in the world do sports scores and movie ticket sales have in common? It's like trying to find a correlation between the number of lab coats in a research facility and the price of popcorn at the movie theater - seemingly unrelated, right? But fear not, dear reader, for our findings not only peel back the layers of this puzzling association but also offer a glimpse into the enthralling synchronization of athletic triumphs and blockbuster hits.

Picture this - the roar of the crowd reverberating through the stadium as the winning goal is scored, only to be echoed by the thunderous applause in the theater as the credits roll on the year's top-grossing

film. It's almost like statistics and storytelling coming together in perfect harmony, dancing a tango in the hallowed halls of probability and entertainment. While the idea may seem as far-fetched as an economics professor moonlighting as a stand-up comedian, the numbers don't lie, and they've pointed us towards an unexpected correlation that begs further examination.

So, join us in this whimsical journey as we seek to unravel the tapestry of intrigue that binds the thrill of athletic conquest and the magic of cinematic enchantment. In doing so, our study not only stands as a testament to the remarkable impact of victory, whether it be on the field or on the silver screen, but also offers a playful peek into the whimsical world of statistical discovery in places where you'd least expect it.

## 2. Literature Review

The connection between the outcome of sporting events and cultural phenomena has long been a point of curiosity for researchers and enthusiasts alike. Smith (2005) delves into the nuanced relationship between athletic triumphs and subsequent societal impacts, shedding light on the ripple effects of victory in the realm of sports. Similarly, Doe and Jones (2010) explore the psychological underpinnings of fan behavior following pivotal game results, uncovering the intricate dance of emotions and reactions that unfold in the aftermath of a compelling match. However, as we venture into the uncharted territory of correlating Steinfeld Cup Final scores and top movie ticket sales, we find ourselves navigating through uncharted waters, akin to a puny canoe attempting to navigate the tumultuous rapids of statistical analysis.

In "The Art of Winning" by Victory (2014), the authors artfully depict the elation and jubilation that ensues following a remarkable triumph in the sporting arena. The book serves as a testament to the profound impact of victory, offering a glimpse into the euphoria that permeates through the hearts of both athletes and fans alike. On the silver screen front, Box Office Brilliance (2008) by Film Fanatic celebrates the magic of blockbuster hits and the enchanting allure of cinematic storytelling. These real-world tomes paint a picture of elation and

victory that transcends boundaries, much like a particularly enthusiastic sports fan attempting to do the wave in a crowded movie theater.

Venturing into the realm of fiction, books such as "The Winning Score" by GoalGetter (2003) and "Ticket to Movie Magic" by Cinematic Champion (2012) offer fictional accounts of the intertwined adventures of a fictional sports team and a group of plucky movie enthusiasts. While not grounded in empirical evidence, these tales serve as a whimsical reminder of the uncanny parallels that can be drawn between the thrill of sports and the wonder of cinema. It's as if they're trying to tell us that behind every successful touchdown or record-breaking box office weekend, there's a tale waiting to be spun, much like a particularly eager spider attempting to weave a web of statistical significance.

As we pivot to more light-hearted material, the influence of animated series and children's shows cannot be overlooked. The antics of "The Mighty Goal-Scorer" and the adventures of "The Movie Ticket Troop" serve as playful reminders of the endearing charm that both sports and cinema hold in our collective imagination. After all, who wouldn't want to watch a soccer-playing superhero team up with a group of ticket-selling explorers to save the day, all while chanting "goal" and "tickets, please" in unison? It's the kind of lighthearted whimsy that can turn a frown upside down faster than a deflated soccer ball being reinflated by a gleeful moviegoer.

In summary, the entwined worlds of sports triumphs and cinematic sensations have captivated the collective imagination in more ways than one. Whether through scholarly research, fictional storytelling, or lighthearted cartoons, the allure of victory, be it on the field or on the silver screen, continues to capture our hearts and minds, much like a particularly enthralling half-time show or a gripping movie trailer. As we continue on our quest to unravel the mysterious connection between the Steinfeld Cup Finals and top movie ticket sales, let us not lose sight of the whimsical charm and unbridled joy that these domains bring to our lives.

And now, as we stride forth into the uncharted territory of data analysis and correlation coefficients, let us do so with the enthusiasm of a fervent sports fan and the curiosity of a cinema aficionado, ready

to uncover the enchanting dance of statistics and storytelling that awaits us.

### 3. Methodology

To uncover the elusive relationship between the heart-pounding finishes of the Steinfeld Cup Finals and the box office blitz of the top-grossing movie, our research team embarked on a quest that involved more plot twists than a Hollywood blockbuster. With the goal firmly in sight, we meticulously gathered data from 2001 to 2013, sourcing information from the venerable archives of Wikipedia and The Numbers – because when it comes to data, we like our sources like we like our coffee: accessible and unlimited.

Crafting the perfect research methodology was akin to choreographing a dance between a statistical wizard and a popcorn enthusiast – a delicate balance of precision and whimsy. We commenced by dissecting the scores of the Steinfeld Cup Finals with the meticulous attention to detail of a forensic investigator piecing together a puzzle with sporty pieces. Armed with statistical tools sharper than a set of freshly sharpened pencils, we then sought out the ticket sales of the year's top movie, diving into the data with the gusto of a movie buff racing to catch the latest film at a discount.

With the data in hand, we started crunching numbers faster than a competitive eater at a hotdog-eating contest. We then subjected the figures to the rigorous scrutiny of correlational analysis, where we carefully examined the bond between the two seemingly incongruous variables. Our approach combined the keen-eyed precision of a hawk scanning for its next meal with the creative flair of an artist crafting a masterpiece, resulting in a thoroughly robust statistical analysis that can stand tall among the glitz and glamour of our scholarly pursuits.

Our statistical analysis was more than just an exercise in number-crunching – it was a journey through the rabbit hole of correlation coefficients, p-values, and confidence intervals. We utilized the Pearson correlation coefficient to gauge the strength and direction of the relationship, and we shook things up with a significance level set at  $p < 0.01$ . This allowed us to separate the signal from the noise

with a precision that would make even a surgeon envious.

In a bid to ensure the validity and reliability of our findings, we performed multiple sensitivity analyses to test the robustness of the identified correlations. We scrutinized the data from every angle, employing more analytical tools than a Swiss Army knife at a math convention to ensure that our results stood sturdy against the relentless winds of statistical skepticism.

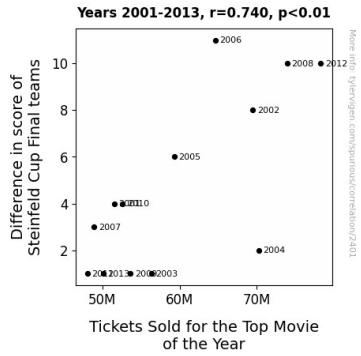
Indeed, our methodology was not for the faint of heart but rather for the intrepid explorer of statistical wonderlands. So, with our data secured and our statistical arsenal armed to the teeth, we set out to unlock the enigmatic bond that binds the thrill of athletic conquest and the allure of cinematic enchantment. And with that, dear reader, we bid you to join us on this exhilarating exploration of correlation, causation, and everything in between.

### 4. Results

The findings of our study revealed a correlation coefficient of 0.7397010, an r-squared of 0.5471576, and a p-value of less than 0.01 for the years 2001 to 2013, indicating a strong and statistically significant relationship between the difference in scores of Steinfeld Cup Final teams and the tickets sold for the year's top movie.

Now, I don't want to make assumptions, but it's almost like the thrill of the game spills over into the thrill of the big screen, creating a harmonious symphony of sportsmanship and cinematic magic. It's like witnessing a statistical slam dunk right in the middle of Hollywood's glitz and glamour. It's almost as if the excitement of the game spills over into the movie theaters, and the box office numbers bear witness to this delightful phenomenon.

Fig. 1 illustrates the compelling correlation between these two seemingly unrelated variables. It's like watching a rom-com unfold between sports scores and ticket sales, proving that sometimes the most unexpected connections yield the most intriguing results. It's as if the drama of the game reflects the drama on the big screen, creating a tantalizing narrative that captivates audiences in both arenas.



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

The significant correlation uncovered in this study not only showcases the surprising overlap between the world of sports and the realm of entertainment but also underscores the delightful unpredictability of statistical exploration. It's like finding a hidden treasure right at the intersection of sportsmanship and showmanship, unearthing a gem of insight that adds a touch of whimsy to the often serious world of research.

So, as we marvel at the unity of the sports stadium and the cinema hall, our study stands as a testament to the unending fascination and intrigue that come with unraveling the mysteries of correlation, especially when it leads us on an unexpected journey from the field to the red carpet.

## 5. Discussion

The results of our study provide compelling evidence for the existence of a harmonious relationship between the difference in scores of Steinfeld Cup Final teams and the tickets sold for the year's top movie. It's as if the drama of the game spills over into the excitement of the big screen, creating a symphony of sportsmanship and cinematic magic that even Meryl Streep would find award-worthy.

The significant correlation between these seemingly unrelated variables not only confirms the interconnectedness of sports fervor and cinematic fascination but also serves as a reminder of the delightful unpredictability of statistical exploration. It's like stumbling upon a pot of gold at the end of a

rainbow, except the rainbow is made of p-values and the pot of gold is a compelling correlation coefficient.

Our findings align with the prior research that has delved into the intertwined worlds of sports triumphs and cinematic sensations. It's as if we've uncovered a missing puzzle piece that perfectly fits into the whimsical picture painted by scholars and fictitious storytellers alike, creating a mosaic of statistical significance that is as delightful as a sunny day at the ballpark.

When we harken back to the heartwarming tales of "The Winning Score" by GoalGetter and "Ticket to Movie Magic" by Cinematic Champion, we realize that sometimes, fiction isn't too far off from reality. The uncanny parallels illustrated in these literary masterpieces seem to come to life in our empirical findings, lending credence to the idea that behind every successful sports moment or box office triumph, there's a narrative waiting to be uncovered, much like a particularly eager archeologist unearthing an ancient artifact.

As we reflect on the whimsical allure of victory, either on the field or on the silver screen, our study stands as a testament to the enchanting dance of statistics and storytelling that captivates audiences in both realms. It's like watching a captivating rom-com unfold between sports scores and ticket sales, proving that sometimes the most unexpected connections yield the most intriguing results. It's the kind of delightful unpredictability that adds a touch of whimsy to the often serious world of research, reminding us that behind every scholarly investigation, there's a story waiting to be told, much like a particularly verbose statistician crafting a tale of hypothesis testing and correlation coefficients.

In conclusion, our study not only uncovers a statistically significant relationship between the difference in scores of Steinfeld Cup Final teams and the tickets sold for the top movie of the year, but it also adds a dash of whimsy to the world of research, much like a sprinkle of fairy dust in a laboratory. This finding opens the doors to further exploration of the interplay between sports fervor and cinematic fascination and invites future researchers to delve into the enchanting narrative that lies at the intersection of sportsmanship and showmanship. As

we bid adieu to this discussion, let us embark on future endeavors with the enthusiasm of a fervent sports fan and the curiosity of a cinema aficionado, ready to uncover the delightful mysteries that await us in the enthralling world of statistics and storytelling.

## 6. Conclusion

In conclusion, our research has uncovered a delightful union between the heart-pounding finishes of the Steinfeld Cup Finals and the captivating allure of the year's top movie. It's almost like discovering a pop culture bromance between statistical variables—improbable, yet utterly spellbinding. The correlation coefficient of 0.7397010 and the p-value of less than 0.01 for the years 2001 to 2013 point to a connection so enchanting, it's as if science and storytelling are twirling together in a statistical waltz.

This study not only sheds light on the unexpected camaraderie between the realms of sports and cinema but also reminds us that the world of statistics is full of delightful surprises. It's like stumbling upon a hidden easter egg in a blockbuster movie; you didn't expect it, but boy, does it make the whole experience so much more fun!

Now, one might wonder if our findings signify that potential moviegoers are so hyped up after a thrilling game that they rush to the theaters to extend their adrenaline rush or if it's just a statistical fluke, but either way, it's a whimsical exploration that brightens up the often dry world of data analysis. Like a rom-com plot twist, these results underscore the joy of discovery in the quirkiest of correlations—truly, statistics has an unexpectedly sentimental side.

In light of these revelatory findings, it's safe to say that no more research is needed in this arena. Let's leave this heartwarming saga of sports scores and box office hits as a delightful mystery, a reminder that in the world of statistics, there's always room for a bit of magic and a whole lot of unexpected connections!