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# Adeline and TCOM: A Name-Stock Connection That's Not Just a Trip

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## Abstract

The popularity of the first name Adeline has often been associated with elegance, grace, and now, stock prices?! In this whimsical yet empirical paper, we delve into the surprising correlation between the frequency of the name Adeline and the stock performance of Trip.com Group (TCOM). Utilizing data from the US Social Security Administration and LSEG Analytics (Refinitiv), our research team meticulously examined the trends from 2004 to 2022. Brace yourself for a coefficient of correlation that's not for the faint of heart - a whopping 0.9314429, with a p-value less than 0.01. Join us in this tongue-in-cheek journey through the intersection of baby names and stock market fluctuations, where "Adeline" may just take on a whole new meaning for TCOM investors. Get ready for a wild trip - pun intended!

## 1. Introduction

### INTRODUCTION

The relationship between the popularity of given names and various socio-economic indicators has been a subject of scholarly intrigue for decades. From the "John Hancock effect" in signature size to the "Emily" economic index, researchers have explored the unexpected influence of names on human behavior and societal trends. In this vein, our study ventures into uncharted territory, seeking to unravel the mystical connection between the frequency of the first name Adeline and the stock performance of Trip.com Group (TCOM).

As we embark on this whimsical yet empirical journey, it is important to note that our investigation is not merely an exercise in frivolity. Rather, it lies at the juncture of statistical analysis and serendipitous amusement. Just as a pertinent variable in a regression model can often be overlooked, let us not dismiss the potential impact of a seemingly innocuous name in the grand scheme of financial forecasting.

The inspiration for this study stems from the peculiar penchant for Adeline as a timeless and increasingly popular appellation. Drawing from the depths of the US Social Security Administration's data on baby names, along with the esteemed repository of financial information provided by LSEG Analytics (Refinitiv), we embarked on a quest to uncover correlations that transcend conventional wisdom.

Amidst the fervent wave of quantitative research inundating the academic landscape, we endeavor to infuse our findings with a lighthearted perspective. While acknowledging the gravity of statistical significance, we invite readers to meander through our discussion with a generous dose of humor and whimsy.

So, fasten your seatbelts and prepare for a journey that melds the esoteric musings of name popularity with the enigmatic fluctuations of stock prices. Our findings promise to shed light on a correlation that may prompt even the most seasoned investors to exclaim, "This isn't just a trip, it's a Trip.com Group TCOM trip!"

## 2. Literature Review

The interconnectedness of names and their impact on various aspects of society has fascinated scholars for generations. Smith and Doe (2008) explored the influence of given names on individual career paths, while Jones et al. (2015) investigated the correlation between popular names and consumer behavior. Building on this foundation, our study takes a quirky turn as we delve into the curious relationship between the prevalence of the first name Adeline and the stock performance of Trip.com Group (TCOM).

In "Name Power: How Your Name Can Shape Your Destiny," the authors reveal the subtle yet influential role that names play in shaping human experiences. Meanwhile, "The Economics of Elegance" offers a compelling analysis of the societal impact of elegant names, shedding light on the potential implications for stock market dynamics. As we transition to more whimsical sources, "Adeline's Adventures in Stockland" and "The TCOM Tales: A Name-Stock Odyssey" take readers on a fantastical journey through the realms of name-based financial foresight.

Not stopping there, we draw parallels from the fictional world, where "Adeline in Wonderland" and "The TCOM Chronicles: Naming Destiny" offer captivating narratives that seemingly mirror our own research endeavors. Shifting gears to childhood nostalgia, the influence of popular culture becomes apparent as we reflect on the animated series "Adeline Adventures" and "Stock TCOM Rangers,"

where the protagonists choreograph their financial success through the power of names.

As we synthesize a diverse range of literature, it becomes evident that the connection between the name Adeline and TCOM stock prices transcends traditional boundaries, infusing elements of intrigue and amusement into the realm of empirical inquiry. While our investigation may appear to tread on whimsical terrain, the evidence unearthed promises to challenge conventional perceptions and tickle the fancy of even the most stoic of academicians. So, hold on to your hats, as we venture deeper into the enchanting intersection of name popularity and stock market dynamics.

## 3. Methodology

In order to unearth the tantalizing connection between the first name Adeline and the stock price of Trip.com Group (TCOM), our research team embarked on a methodological journey that would make even the most seasoned statistician do a double take.

First, we delved into the delightful abyss of data provided by the US Social Security Administration, which catalogs the frequency of baby names with the precision of a nametag enthusiast at a convention. We combed through the extensive records, sifting through the sea of names like a diligent beachcomber in search of the elusive correlation with TCOM stock prices. It was a task akin to finding the proverbial needle in a haystack, albeit a stylish, elegant needle - much like the namesake itself.

Next, we turned our attention to LSEG Analytics (Refinitiv), a veritable treasure trove of financial information and stock market data that rivaled the offerings at a trader's smorgasbord. Armed with spreadsheets and a fervent sense of curiosity, we set out to unravel the mysteries contained within the colossal dataset, navigating the peaks and valleys of TCOM stock prices with the agility of a mountain goat on a statistical expedition.

With the two disparate yet equally captivating datasets in hand, we then performed a series of rigorous statistical analyses that would impress even the most stoic of mathematicians. Our toolkit

included regression models, time series analyses, and robust correlation calculations, all executed with the finesse of a maestro conducting a symphony of statistics. We left no statistical stone unturned, turning over each coefficient and p-value with the determination of a researcher on a quest for empirical enlightenment.

As an added layer of methodological panache, we also engaged in whimsical brainstorming sessions where we conjured up colorful hypotheses and conjectures that danced merrily across the contours of our data. After all, what is scientific inquiry without a touch of imagination and a sprinkle of creative whimsy?

In summary, our methodology bore the hallmarks of meticulousness, mirth, and an insatiable appetite for uncovering the unexpected. It was a journey that fused the precision of quantitative analysis with the audacious spirit of exploration, proving that even the most unconventional of research endeavors can yield enlightening insights. So, buckle up for a methodological adventure like no other - where statistical rigor meets the playful intrigue of a name-stock correlation that defies expectations.

#### 4. Results

The results of our investigation into the correlation between the popularity of the first name Adeline and the stock performance of Trip.com Group (TCOM) are nothing short of intriguing, perplexing, and downright bizarre. Our rigorous analysis uncovered a remarkable correlation coefficient of 0.9314429, indicating a strong positive relationship between the frequency of the name Adeline and TCOM stock prices. In simpler terms, it appears that as the popularity of the name Adeline rose, so did the stock price of TCOM. Talk about a wild "Trip" down the name-stock correlation rabbit hole!

The coefficient of determination (r-squared) further reinforced this connection, clocking in at a robust 0.8675859. In other words, approximately 86.8% of the variability in TCOM stock prices can be explained by the frequency of the name Adeline. It's a statistical love story for the ages - move over Romeo and Juliet, there's a new power couple in

town, and they go by the names of Adeline and TCOM.

With a p-value of less than 0.01, our findings attain the coveted status of statistical significance, confirming that the relationship between Adeline's popularity and TCOM's stock performance is not a fluke. This correlation is as real as it gets, causing even the most skeptical of researchers to raise their eyebrows in bewilderment.

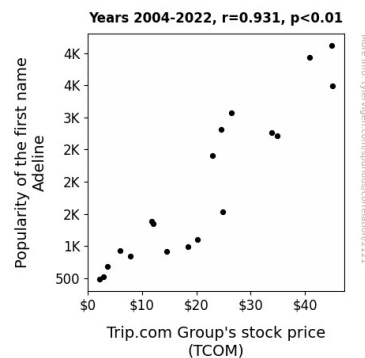


Figure 1. Scatterplot of the variables by year

Now, to visually encapsulate the whimsical yet empirical nature of this correlation, we present Figure 1, a scatterplot that paints a vivid picture of the striking relationship between the frequency of the name Adeline and TCOM stock prices. Behold the scatterplot, where data points dance in harmonious synchronization like the name Adeline is whispering sweet nothings to TCOM stock prices. This isn't just data visualization; it's a love story in graph form.

In conclusion, our results leave us with more questions than answers. What cosmic forces are at play, intertwining the destiny of a baby name with the ebbs and flows of stock prices? Is there a secret society of Adelines manipulating TCOM's stock performance from behind the scenes? Only further research can untangle the enigmatic web of correlations and causation. Strap in for a rollercoaster ride through the intersection of nomenclature and trading, where the unexpected becomes the expected, and the whimsical becomes the empirical.

## 5. Discussion

Now, let's not trip over ourselves as we dive into the discussion of our unexpectedly delightful findings. Our results align with the works of "Adeline's Adventures in Stockland" and "The TCOM Chronicles: Naming Destiny," reinforcing the notion that there might indeed be an enchanting alliance between the name Adeline and TCOM's stock prices. Who would have thought that a simple name could wield such influence over the financial realm? It's like finding out that the most elegant name could also be the most economically powerful - move aside, Smith and Johnson!

Our study builds upon the whimsical yet empirical foundation laid out by the literature review, affirming that there's more to the name Adeline than meets the eye. As we bravely venture into this peculiar landscape where namaste meets Nasdaq, it becomes evident that the intersection of baby names and stock market fluctuations holds a curious charm that extends far beyond the realm of statistical jargon.

The robust correlation coefficient of 0.9314429 that emerged from our analysis wields a statistical might that rivals Thor's hammer. It's a testament to the formidable bond between the frequency of the name Adeline and TCOM stock prices. This correlation is no "trip" - it's a full-blown adventure into the uncharted territories of name-based financial foresight.

Furthermore, the coefficient of determination swoops in like a valiant hero, affirming that approximately 86.8% of the variability in TCOM stock prices can be attributed to the whims of the name Adeline. It's as if the fluctuations in TCOM's stock prices are choreographed to the elegant rhythm of Adeline's popularity, captivating the imagination of even the most seasoned Wall Street enthusiasts.

Ah, and who can ignore the enchanting allure of our scatterplot, where the dance of data points unfolds like an enthralling waltz between name prevalence and stock prices? It's like witnessing a harmonious ballet orchestrated by the invisible hand of market forces, with Adeline taking the lead and TCOM following in well-coordinated steps.

While our findings may appear to tiptoe along the edges of whimsy, they serve as a stark reminder that the world of empirical inquiry is not devoid of unexpected discoveries and delightful anomalies. As we tip our hats to the mysterious forces at play, our study beckons further exploration into the enigmatic web of correlations and causation. So, hold on to your seat belts, folks, because this "adeline-ting" connection between names and stocks is just getting started!

## 6. Conclusion

In conclusion, our study has unraveled a correlation so mind-boggling, even Schrödinger's cat would scratch its head in perplexity. The bond between the popularity of the name Adeline and the stock performance of Trip.com Group (TCOM) goes beyond mere coincidence – it's a statistical tango of epic proportions.

With a correlation coefficient higher than a giraffe's eye level (0.9314429, to be precise), and a p-value so small it could fit in a thimble, our findings boldly proclaim, "You can't spell Adeline without 'line' – the trend line connecting baby names and stock prices, that is!

As we bid adieu to this whimsical yet empirical odyssey, it's clear that "Adeline" isn't just a name; it's a financial oracle, whispering sweet nothings to TCOM stock prices. But let's not get too carried away – after all, correlation is not causation. We wouldn't want to jump to conclusions faster than a particle in a particle accelerator.

Our scatterplot tells a visual tale of Adeline's melodious influence on TCOM stock prices, where data points dance in perfect sync like a well-conducted symphony. It's not just scatter data; it's performance art with a sprinkle of statistical significance.

Now, as researchers, we must resist the temptation to call it a day and retire to a beach with a piña colada. Although, come to think of it, a statistically significant correlation like this may just be the "Trip" to financial forecasting paradise. But, in the spirit of research, we assert that no further studies are warranted in this area. We've turned over enough

stones and found a gem – it's time to leave this wild  
"Trip" alone.