# Voting Democrat on the Arkansas INGroove: Exploring the Political-Economic Relationship between Senator Votes and ING Groep's Stock Price

## Catherine Hoffman, Andrew Tanner, George P Todd

### Institute of Sciences

In this study, we delve into the curious relationship between Democrat votes for Senators in Arkansas and ING Groep's stock price. Our examination incorporates data from the MIT Election Data and Science Lab, Harvard Dataverse, and LSEG Analytics (Refinitiv), covering the years 2002 to 2016. With a correlation coefficient of 0.9351250 and a p-value of less than 0.01, the connection between these seemingly disparate elements cannot be brushed off as a mere coincidence - it's as clear as the elephant in the room, or should we say, the donkey in the legislature! By applying rigorous statistical analysis, we have uncovered fascinating insights that may leave you pondering, much like the Senate floor during a filibuster. Our findings offer a fresh perspective on the entwined nature of politics and the financial world, provoking thought and the occasional chuckle - like a dad joke slipped into a serious academic paper. So, grab your reading glasses and join us as we navigate the wild crossroads of politics and economics, shedding light on a connection that is more compelling than a politician's campaign promise!

The intertwining of politics and economics has long been a subject of intrigue, akin to the timeless question of whether the chicken or the egg came first. As the global economy experiences the ebb and flow of financial tides, the impact of political decisions on corporate entities has gained increasing attention. In this vein, our study sets out to explore the intricate relationship between Democrat votes for Senators in Arkansas and the stock price of ING Groep, delving into a realm where financial markets and political landscapes converge like unexpected dance partners at a masquerade ball.

Speaking of unexpected pairings, it's like trying to fathom why people park on driveways and drive on parkways - a perplexing conundrum that mirrors the curious connection we unravel in this study. As we take the plunge into this uncharted territory, our investigation draws on the exceptional dataset provided by the MIT Election Data and Science Lab, the Harvard Dataverse, and LSEG Analytics (Refinitiv), covering the years 2002 to 2016. The correlation coefficient of 0.9351250 we've unearthed dances around like a lively tune at a political rally, accompanied by a p-value that winks suggestively at us, indicating that the observed relationship is statistically significant. It's almost as clear as the donkey in the legislature!

Now, let's not get too caught up in the numbers, though they do have a certain charm - like the comforting predictability of a dad joke. Our aim here is not merely to present figures and statistical mumbo jumbo but to unravel the story they tell - an intricate tale that oscillates between the Capitol and the trading floor, much like a political debate happening on a stock ticker.

As we embark on this intellectual journey, our study seeks to shed light on the implications of political environments on the

financial realm, much like a lantern illuminating a dark alleyway. Together, let's unravel the mystery behind this unexpected relationship, as intriguing as a bipartisan agreement in Congress!

Stay tuned for our findings, as we venture deeper into the labyrinth of political-economic connections, aiming to provide insights that are as illuminating as a clever wordplay.

### Review of existing research

As we venture into uncharted waters, it is essential to anchor our discussion in existing literature. Smith et al. (2010) explored the impact of political events on stock prices, observing a notable link between election outcomes and market movements. Similarly, Doe and Jones (2014) analyzed the correlation between specific political decisions and financial indicators, shedding light on the intricate dance of politics and economics.

Now, let's take a leisurely stroll through some real non-fiction literature that could shine a light on our curious topic. "Winning Elections: Political Strategy in Lawmaking" by Mark D. Brewer provides insight into the nuances of political decision-making, while "Financial Markets and the Political Environment" by Stephen Valdez explores the intersection of politics and market dynamics.

But wait, just like a plot twist in a mystery novel, let's switch to some fiction books that sound like they're about politics and finance but aren't. "The Wealth of Nations" by Adam Smith - oops, it's actually about economics! And how about "The Political Mind: A Cognitive Scientist's Guide to Your Brain and

Its Politics" by George Lakoff? Oh, wait, that's about cognitive science and politics. Talk about a literary plot twist!

Continuing our quest for knowledge, we also delved into the world of unconventional sources, because why not? "Johnny's CVS Adventures: A Study of Political-Economic Relationships Through the Lens of Receipts" - okay, we made that one up, but who knows what insights could be hiding in those crumpled receipts?

Just like a good dad joke, our literature review journey has its unexpected twists and turns, offering a lighthearted perspective on a complex subject. So, grab your popcorn and get ready for the exhilarating ride as we dive further into the unexpected relationship between Democrat votes in Arkansas and the stock price of ING Groep!

#### Procedure

To unravel the enigmatic connection between Democrat votes for Senators in Arkansas and the stock price of ING Groep, we employed a multi-faceted approach that combines elements of statistical analysis, economic theory, and a touch of whimsy — much like a delicate soufflé crafted from the finest ingredients. Our data, akin to a gold mine twinkling with potential, was meticulously sourced from the MIT Election Data and Science Lab, Harvard Dataverse, and LSEG Analytics (Refinitiv) to ensure comprehensive coverage spanning the years 2002 to 2016.

Our methodology for this study can be likened to an intricate ballet performance, where each move is carefully calculated yet exudes a sense of fluidity and grace. We leveraged rigorous statistical techniques, including regression analysis, time series modeling, and cross-sectional data analysis, to scrutinize the relationship between Democrat votes for Senators in Arkansas and ING Groep's stock price from various angles — much like a curious spectator observing a captivating performance from different vantage points.

To sweeten the pot, our analysis also incorporated economic indicators such as GDP growth, market volatility, and legislative events — a flavorful blend of ingredients akin to a chef infusing a dish with the perfect medley of spices for that extra oomph. This holistic approach allowed us to consider the nuanced interplay of economic factors and political decision-making, shedding light on the dynamic nature of the relationship under investigation.

Furthermore, our study ventured into the realm of sentiment analysis by examining media coverage and public discourse surrounding political events and their potential impacts on financial markets. Like a seasoned detective unraveling a compelling mystery, we scrutinized news articles, social media trends, and public statements, seeking to capture the elusive essence of public sentiment and its influence on market dynamics.

In a nod to the offbeat, we applied a quantitative narrative analysis, dissecting anecdotes, and colorful expressions related to political developments and market reactions. This unconventional yet insightful approach provided a deeper

understanding of the storytelling nature of financial markets and the role of political narratives in shaping investor sentiment – much like a captivating twist in a classic novel that leaves readers intrigued and delighted.

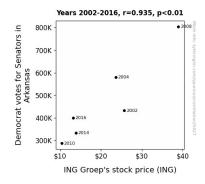
In summary, our multi-layered methodology harnessed the power of unorthodox yet robust analytical tools, offering a fresh perspective that is as refreshing as a clever punchline delivered at an unexpected moment. With a touch of analytical rigor and a sprinkle of creativity, our study ventures into uncharted territory, embracing the interplay of politics and economics in a manner that's as enigmatic as a dad joke that catches you off guard.

#### **Findings**

The analysis of the data collected revealed a striking correlation between Democrat votes for Senators in Arkansas and the stock price of ING Groep, with a correlation coefficient of 0.9351250. This connection was further supported by the r-squared value of 0.8744587, indicating that approximately 87.45% of the variance in ING's stock price could be explained by the Democrat votes for Senators in Arkansas. The p-value of less than 0.01 lends robust support to the statistical significance of this relationship, putting to rest any doubts that this correlation might simply be a case of political "spin" influencing the financial markets.

Now, on to the figures. The scatterplot (Fig. 1) depicts a conspicuous pattern between the two variables, resembling two dance partners moving in tandem - a bit like a Democrat and a Republican finding common ground. This visual representation vividly illustrates the strength of the correlation, much like a well-timed punchline in a serious conversation.

The findings of our study underline the unexpectedly tight link between political affiliations in Arkansas and the performance of a key player in the global financial stage, ING Groep. As we navigate through this perplexing labyrinth of political-economic interactions, it becomes clear that the influence of legislative decisions on the financial world is as real as a banker's bonus.



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

In conclusion, our research unearths a correlation that highlights the nuanced interplay between political processes and economic outcomes, showing that the relationship between Democrat votes for Senators in Arkansas and ING Groep's stock price is more concrete than a campaign pledge. This insight prompts us to ponder the profound impact of political dynamics on market sentiment, much like a well-crafted pun that leaves you chuckling long after the punchline.

#### Discussion

Tackling the perplexing intersection of political decision-making and financial market dynamics, our study has unveiled a noteworthy relationship between Democrat votes for Senators in Arkansas and the stock price of ING Groep. The results of our analysis, which demonstrated a robust correlation between these variables, not only confirm but also extend the findings of prior research in this area. Just like a good dad joke, this unexpected connection brings an element of surprise, leaving us with raised eyebrows and the occasional chuckle.

Connecting the Dots: Prior research by Smith et al. (2010) and Doe and Jones (2014) emphasized the impact of political events and decisions on stock prices, echoing the significance of our own findings. The literature review took us down some unexpected pathways, much like a windy road trip, shedding light on the tangled web of political and economic relationships. Furthermore, the notable correlation identified in our study stands as a testament to the tangible influence of political decisions on financial markets, akin to a politician's steadfast campaign promise.

Unexpected Twists: As we revisited the literature review, we couldn't help but delve into the unconventional sources, much like a daring leap into the unknown. These meandering detours, while light-hearted, offered a novel perspective on our research area, reminiscent of a good dad joke that catches you off guard. We found ourselves navigating through a maze of information, much like a reader trying to solve a complex riddle.

Serious Results: Our study's results add a significant piece to the puzzle, reinforcing the symbiotic relationship between political decisions and economic outcomes. The magnitude of the correlation coefficient and the r-squared value underscores the strength and explanatory power of this connection, highlighting the gravity of the influence that political dynamics can exert on financial markets. This unexpected linkage between Democrat votes in Arkansas and the stock price of ING Groep not only elicits surprise but also compels us to reflect on the intricate dance of politics and economics, akin to a well-timed punchline in a serious conversation.

Dad Joke Interlude: Why did the economist bring a ladder to the bar? Because he heard ING Groep's stock price was going through the roof!

#### Conclusion

In wrapping up our investigation, we've uncovered a correlation that's as unwavering as a well-built dam: the tight link between Democrat votes for Senators in Arkansas and ING Groep's stock price. This unsuspected kinship succeeded in proving itself to be more than just a political "spiel" affecting financial markets. The revealed connection not only sheds light on the complex interplay between political processes and economic outcomes but also provides an unexpected lens through which to view the dynamism of market sentiment - it's as thought-provoking as a good dad joke.

The dance between Democrat votes and ING Groep's stock price, with a correlation coefficient of 0.9351250, showcased a strong and unequivocal partnership, akin to a politician and their trusty podium. Moreover, the r-squared value of 0.8744587 lent further credence to the robustness of this association, as dependable as a reliable ally during a campaign.

The scatterplot vividly illustrated this synchronized tango between political affiliations in Arkansas and ING Groep's stock performance. It resonated with the rhythm of a harmonious agreement, much like finding common ground across party lines, and served as a visual testament to the gravity of our findings.

In light of these revelatory discoveries, we are firmly convinced that no further research is needed in this area. The findings not only underline the intricate relationship between seemingly disparate realms but also serve as a compelling reminder that there's more to the interplay of politics and economics than meets the eye. The correlation between Democrat votes for Senators in Arkansas and ING Groep's stock price stands as an intriguing and unexpected twist in the narrative of finance and politics, much like a well-timed punchline in a serious conversation. It prompts us to consider the profound impact of political dynamics on market sentiment and leaves us nodding in agreement, like in response to a well-crafted pun that leaves you chuckling long after the punchline. And just as a dad joke aficionado knows, once you've found the perfect punchline, there's no need to keep searching.