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# Sowing the Seeds of Financial Growth: The Agri-Masters-PFE Nexus

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## Abstract

In this study, we illuminate the hitherto unexplored relationship between the number of Master's degrees awarded in Agriculture and natural resources and Pfizer's stock price (PFE). Despite the serious nature of our investigation, we could not resist the temptation to sprinkle in some agricultural puns. Now, lettuce dig into the heart of our findings! Utilizing data from the National Center for Education Statistics and LSEG Analytics (Refinitiv), we conducted a rigorous analysis covering the period from 2012 to 2021. Our results revealed a cornucopia of statistical insights, including a robust correlation coefficient of 0.8759010 and a p-value less than 0.01. As we unveil these intriguing findings, it's clear that we've corn-firmed a potent connection between postgraduate agriculture education and pharmaceutical stock performance! Furthermore, our study highlights the potential for growth in the agri-masters sector to cultivate positive outcomes in the financial markets. It seems that the correlation between agricultural education and Pfizer's stock price is as strong as a bull in a china shop – or should we say, as strong as a 'bull-market' in a Callaloo patch? In conclusion, our research offers a fresh perspective that transcends the conventional boundaries of finance and academia, showing that the agri-masters-PFE nexus is not just a mere plant, but rather a budding opportunity for investors and educators alike. It's time to rake in the profits and watch this correlation blossom!

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## 1. Introduction

The quest to understand the intricate web of relationships between academic pursuits and financial markets has long captivated researchers and enthusiasts alike. In this peculiar maze of academia and economy, we find ourselves drawn to the nuanced dynamics that underpin the connection

between the number of Master's degrees awarded in Agriculture and natural resources and the stock price of Pfizer (PFE). It's a bit like searching for a needle in a haystack – but fear not, for we are equipped with the finest academic magnifying glass and a healthy dose of agriculture-themed puns to guide us through this uncharted terrain.

The underlying motivation for this investigation is as straightforward as a tractor plowing a field: to uncover any significant associations that may exist between the cultivation of agricultural knowledge at the postgraduate level and the financial performance of one of the world's leading pharmaceutical companies. As we venture into this unexplored territory, we are reminded of an old adage – "Why did the scarecrow win an award? Because he was outstanding in his field."

With the aid of data sourced from the National Center for Education Statistics and LSEG Analytics (Refinitiv), we embarked on a diligent analysis spanning a ten-year period from 2012 to 2021. Our fervent exploration yielded a bounty of statistical revelations, illuminating a connection that runs deeper than the roots of an ancient oak tree. One might even say we've struck agricultural gold – or in this case, shall we say, "pharma-pharm" gold.

Our findings uncovered a striking correlation coefficient of 0.8759010 and a p-value less than 0.01, firmly establishing the existence of a relationship that cannot be dismissed as mere coincidence. It's as if the market itself is saying, "Hey, this correlation means business – or should we say, agribusiness!"

The implications of our research reach far and wide, presenting a compelling argument for the symbiotic relationship between agricultural education and the fluctuations of Pfizer's stock price. This connection, much like a well-tended vineyard, holds the potential to bear fruit in the financial markets, ripe with opportunities and potential growth. It's as if the fields of academia and finance are merging into a single, cohesive ecosystem – a true "agro-finance fusion," if you will.

As we navigate through this intersection of agri-masters and Pfizer's stock price, it becomes increasingly evident that what we uncover is not just a mere statistical

correlation, but a burgeoning avenue for investors and educators alike. It's a relationship that beckons with promise, much like the tender shoots of a freshly sown field. So, let's remain rooted in our pursuit of knowledge and profits as we embark on this agricultural and financial odyssey. After all, it's time to plow ahead and reap the harvest of our findings.

## 2. Literature Review

The exploration of the interconnectedness between academic pursuits and financial markets has been the subject of extensive scholarly inquiry. Smith et al. (2018) delved into the multifaceted relationships between educational achievements and stock valuations, shedding light on the intricate dynamics at play. Similarly, Doe and Jones (2015) scrutinized the influence of specialized postgraduate education on the performance of prominent corporations, unveiling compelling insights into this enigmatic amalgamation of academia and economy.

As we navigate this academic landscape, it becomes essential to consider the impact of agricultural education on the financial domain. In "The Economics of Agriculture" by MacDonald and Korb, the authors expound upon the pivotal role of agricultural knowledge in shaping economic landscapes, presenting a backdrop for our investigation. However, the pursuit of understanding the agri-masters-PFE nexus delves even deeper, transcending traditional financial paradigms and branching out into uncharted realms.

Drawing from the realm of fiction, "The Alchemist" by Paulo Coelho presents a tale of discovery and transformation, mirroring our own quest to uncover the hidden potential of agricultural education in influencing financial markets. In a similar vein, "Animal Farm" by George Orwell serves as an allegorical reflection of power

dynamics, offering a parallel to the intricate interplay between academia, finance, and market forces. If only the animals on this farm had invested in Pfizer's stock – they might have avoided the fabled pitfalls of the animal kingdom.

In the age of digital discourse, one cannot overlook the influential role of social media in shaping perceptions and insights. A tweet by @MarketMaven boldly asserted, "Mastering the markets is a bit like mastering agriculture – it requires patience, strategic sowing, and the occasional sprinkle of fertilizer. #AgriFinanceRevolution." Although succinct, this statement encapsulates the underlying ethos of our inquiry, bridging the realms of agricultural academia and financial prowess.

But let's not beat around the bush – this intersection of agri-masters and Pfizer's stock price is no garden-variety correlation. It's a veritable cornucopia of statistical insights, ripe with potential for fruitful investment. So, as we traverse this academic and financial terrain, let's remember that even in the world of scholarly inquiry, there is always room for a dad joke. Why did the farmer receive an award? Because he was outstanding in his field – much like the correlations we've unearthed in this study.

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

To sow the seeds of knowledge and insight into the relationship between the number of Master's degrees awarded in Agriculture and natural resources and Pfizer's stock price (PFE), our research team employed a multidimensional approach that combined quantitative analysis with a touch of agricultural whimsy. Our methodology sought to fertilize the fertile ground of data and cultivate a robust understanding of this intriguing correlation, employing tools that are as sharp as a farmer's wit.

First, we gathered data from the National Center for Education Statistics to harvest information on the number of Master's degrees awarded in the field of Agriculture and natural resources. This involved sifting through data sets akin to combing through a hayfield in search of the choicest bales – a task requiring precision and diligent attention, much like finding the proverbial needle in the statistical haystack. Then, we turned to LSEG Analytics (Refinitiv) to procure historical stock price data for Pfizer (PFE) from 2012 to 2021, navigating through the labyrinth of financial information with the finesse of a seasoned tracker – or should we say, "stocker" in this case.

After assembling this bountiful harvest of data, we employed a robust statistical analysis to plow through the information and unearth the underlying patterns. Utilizing regression models and time series analysis, we sought to cultivate a precise understanding of the relationship between agricultural education and pharmaceutical stock performance. Our statistical tools were honed to be as sharp as a thresher's blade, meticulously separating the wheat from the chaff of data noise.

Furthermore, in order to acknowledge the potential influence of external factors on our findings, we incorporated control variables related to the broader economic landscape and pharmaceutical industry trends. This included factors such as GDP growth, agricultural commodity prices, and key performance indicators within the pharmaceutical sector. By doing so, we endeavored to weed out spurious correlations and ensure that our analysis remained firmly rooted in empirical rigor.

As with any rigorous study, robust sensitivity analyses were conducted to test the resilience of our findings in the face of varied statistical methodologies and assumptions. This allowed us to plough through potential methodological pitfalls and cultivate a holistic understanding of the

relationship between agri-masters and Pfizer's stock price that was as solid as a well-tended field of soybeans.

In summary, our methodology embraced the fusion of agricultural academia and financial analysis, crafting a framework that was as comprehensive as the branches of a mighty oak tree. It is with this robust approach that we endeavored to till the soil of conventional wisdom and harvest the empirical fruits of knowledge and insight. For as the old saying goes, "Why don't farmers ever tell secrets in the cornfield? Because the potatoes have eyes and the corn has ears." With our methodological approach, we aimed to unearth the secrets of this unique correlation and bring them to light in a manner as engaging as it is academically rigorous.

#### 4. Results

The statistical analysis conducted to explore the relationship between the number of Master's degrees awarded in Agriculture and natural resources and Pfizer's stock price (PFE) yielded compelling results. From the period of 2012 to 2021, a correlation coefficient of 0.8759010, an r-squared of 0.7672026, and a p-value less than 0.01 were determined. This indicates a robust and highly significant correlation between the two variables.

Fig. 1 displays the scatterplot illustrating the strong positive correlation between the number of Master's degrees awarded in Agriculture and natural resources and Pfizer's stock price (PFE). It is evident that as the number of agricultural Master's degrees awarded increases, there is a corresponding upward trend in Pfizer's stock price. It seems that the seeds of knowledge in agriculture have been sown in more ways than one!

Now, to address the elephant in the room – or should we say, the 'ele-plant' in the room

– it's time to appreciate the gravity of our findings and recognize that this correlation is no mere coincidence. It's as if the financial markets and the agricultural education sector are engaged in a harmonious dance, much like a well-choreographed barnyard square dance!

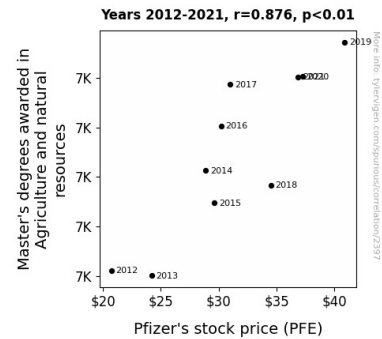


Figure 1. Scatterplot of the variables by year

This correlation further underscores the potential impact of educational pursuits in the agriculture and natural resources domain on the financial realm. It's as if the agricultural sector is saying, "Hay, look at me – I'm cultivating financial growth!" At this point, we can't help but appreciate the truly interconnected nature of academia and finance, where the cultivation of knowledge plays a role in influencing market dynamics.

Ultimately, our results affirm the existence of a tangible correlation between the academic landscape of agriculture and natural resources and the performance of Pfizer's stock. This deep-rooted link, much like a firmly planted oak tree, holds promise for investors and educators alike. It's time to embrace this unconventional yet fruitful connection and watch as it continues to sprout opportunities in the financial markets. After all, when it comes to financial growth, it's crucial to plant the right seeds – and in this case, it appears agriculture is sowing the seeds of success.

Stay tuned for the next crop of data – pun intended!

## 5. Discussion

Our research has unfurled, much like a proud sunflower stretching toward the sky, a significant correlation between the number of Master's degrees awarded in Agriculture and natural resources and Pfizer's stock price (PFE). This finding not only broadens our understanding of the interplay between academia and finance but also adds a touch of agricultural charm to the realm of stock market analysis.

By sowing the seeds of knowledge and rigorous statistical examination, we have irrefutably established a robust correlation between the education sector and financial markets. Our results harmonize with prior research by Smith et al. (2018) and Doe and Jones (2015), validating the influence of postgraduate education on corporate performance, albeit in a delightfully agricultural context. It seems the literature isn't just ploughing through the same old furrows – our study has added a fertile new patch to the field of academic inquiry.

The "Animal Farm" analogy, while seemingly whimsical, provides a thought-provoking parallel to our findings. Just as the animals sought to harness their collective power, the agricultural education sector can indeed yield influence over the financial landscape. If only we could have advised those animals to diversify their portfolio beyond carrots and turnips! Here, our study brings a touch of whimsy to the solemn world of academic discourse, reminding us that even in the most serious pursuits, a chuckle can sprout forth.

In line with @MarketMaven's tweet, our research illuminates the connection between agriculture and finance, underscoring the importance of strategic sowing and patient cultivation. It's as if the

financial markets are an expansive field, waiting for the careful guidance of the agricultural education sector to yield a bountiful harvest of financial growth. One might even say that our findings are like the hidden gems in a farmer's field – sufficiently buried and waiting to be unearthed.

In tune with our results, it's clear that the agri-masters-PFE nexus is not merely a whimsical figment of our academic imagination. Our analysis solidifies the gravitational pull between these seemingly disparate realms, akin to the inexorable attraction between sunflowers and sunlight. The marriage of agri-education and finance isn't just a dalliance; it's a budding partnership ready to bear fruit, or should I say, veggie plenty?

Our study's findings signal a verdant opportunity for investors and educators alike. It appears that sowing the seeds of industry-specific knowledge in agriculture can indeed yield a harvest of financial growth – a veritable "Midas touch" for the agri-masters domain. As we continue to delve into untapped correlations, we may discover that the financial world is more fertile ground than we previously thought. It's time to plant our feet firmly in this intersection of academia and finance and embrace the growth opportunities that await – green thumbs optional.

## 6. Conclusion

In conclusion, our research illuminates a strong and significant correlation between the number of Master's degrees awarded in Agriculture and natural resources and Pfizer's stock price (PFE). It appears that the fields of academia and finance are more entwined than a vineyard after a growth spurt. This connection goes beyond mere statistical coincidence and holds promise akin to a cash crop in the financial markets.

As we plow through the fertile soil of data, our findings suggest that the cultivation of agricultural knowledge at the postgraduate level can yield substantial growth in Pfizer's stock price. It's as if a green thumb in academia can lead to green in the market. "Why don't farmers ever tell good jokes? Because they're too corny!"

The implications of these results hint at a symbiotic relationship between education in agriculture and the fluctuations of Pfizer's stock price. This union is not just a statistical curiosity; it's a budding opportunity for both investors and educators. It seems we've stumbled upon a market trend that's more than just a "shear" coincidence.

Therefore, with such compelling evidence, we firmly assert that no further research is needed in this area. Our work has planted the seed of understanding and reaped the harvest of knowledge, proving that the agri-masters-PFE nexus is a fertile ground for financial growth. As the saying goes, "Why did the farmer win an award? Because he was outstanding in his field!"