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# The Dewey Decimal Effect: A Novel Investigation into the Link between Library Science Master's Degrees and Teck Resources' Stock Price

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## KEYWORDS

library science master's degrees, Teck Resources stock price, correlation, National Center for Education Statistics, LSEG Analytics, financial market, stock price correlation, investment strategies, interdisciplinary collaboration, library science impact on finance

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## Abstract

In this study, we delved into the puzzling relationship between the number of Master's degrees awarded in Library Science and the stock price of Teck Resources (TECK). While seemingly unrelated on the surface, our research uncovers a surprisingly robust connection, shedding light on a hitherto overlooked aspect of the financial market. Utilizing data from the National Center for Education Statistics and LSEG Analytics (Refinitiv), spanning from 2012 to 2021, our analysis revealed a strikingly high correlation coefficient of 0.7903034 with a significance level of  $p < 0.01$ . This unexpected correlation challenges conventional wisdom and opens the door to a plethora of potential mechanisms underlying this peculiar linkage. Our findings not only carry implications for investment strategies but also highlight the need for interdisciplinary collaboration, proving once and for all that even the quiet world of library science can have a significant impact on the bustling realm of finance.

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## 1. Introduction

Ah, the mystical and enigmatic world of library science, where the dewey-eyed scholars immerse themselves in the intricacies of information organization,

bibliographic control, and the noble pursuit of taming the unruly realm of knowledge. Meanwhile, in the tumultuous domain of the stock market, Teck Resources (TECK) stands as a bastion of economic activity, navigating the tempestuous waves of supply

and demand with unwavering resolve. What could these two seemingly disparate realms possibly have in common, you might wonder? Well, dear reader, prepare to embark on a journey through the labyrinthine corridors of statistical analysis and unexpected correlations as we uncover the puzzling connection between the number of Master's degrees awarded in Library Science and the stock price of Teck Resources.

As the sages of yore once proclaimed, "With great data comes great responsibility," or was it power? In any case, armed with the exhaustive datasets from the National Center for Education Statistics and LSEG Analytics (Refinitiv), spanning the years 2012 to 2021, we embarked on a quest to unearth the hidden relationship between the esoteric world of library science education and the mercurial dance of stock prices. Little did we anticipate the bountiful harvest of statistical delights that awaited us.

Our analysis unveiled a correlation coefficient of 0.7903034, marching boldly with a significance level of  $p < 0.01$ . The unassuming number of Master's degrees in Library Science revealed itself to be a surprisingly robust predictor of the fluctuations in Teck Resources' stock price. One might even say it shelved our expectations and reclassified our perceptions of the financial market. This intriguing correlation, much like a well-indexed tome, challenges preconceived notions and beckons us to delve deeper into the uncataloged recesses of financial interconnections.

In the annals of scholarly pursuit, serendipitous discoveries often arise from unconventional pairings, much like the chance meeting of a misplaced book and an unsuspecting reader stumbling upon it in the labyrinth of shelves. Our findings not only raise eyebrows in the hallowed halls of academia but also carry weighty implications for investment strategies,

offering a new dimension to the age-old question of "where to invest next." Moreover, they serve as a poignant reminder that interdisciplinary collaboration knows no bounds, transcending the realms of number crunching to illuminate the intricate dance between academic pursuits and financial endeavors.

So, join us as we unravel this curious entanglement, for in the world of data analysis, truth can indeed be stranger than fiction. After all, who would have thought that the quiet whispers of library science could resonate so profoundly in the clamorous cacophony of stock markets?

## 2. Literature Review

The existing body of literature offers a range of studies on the fields of library science, stock market dynamics, and their potential interconnections.

Smith et al. (2015) conducted a comprehensive analysis of the trends in Master's degrees awarded in Library Science, focusing on the demographic distribution of graduates and the institutional variations in degree conferrals. Their work provides valuable insights into the shifting landscape of library science education, shedding light on the factors influencing the supply of qualified professionals in the field.

In a similar vein, Doe and Jones (2018) delved into the nuances of stock price fluctuations, considering a myriad of factors such as market trends, company performance, and macroeconomic indicators. Their study offers a robust framework for understanding the intricate dance of supply and demand, providing a solid foundation for exploring potential catalysts for stock price movements.

Moving beyond direct academic studies, several non-fiction works have explored the intersection of education and finance. "The Financialization of Education" by Brown

(2017) delves into the evolving dynamics of educational systems in the context of global financial shifts, offering a compelling perspective on the interplay between knowledge acquisition and economic forces. Similarly, "The Library as an Economic Indicator" by White (2019) presents an intriguing analysis of public library data as an indicator of local economic conditions, hinting at the broader implications of information dissemination and financial resilience.

On a more unconventional note, fictional works such as "The Stockbroker's Secret Library" by Robinson (2016) and "The Dewey Decimal Dilemma" by Patel (2018) offer imaginative narratives that intertwine the worlds of finance and library science, albeit in fictional realms. While these texts may not offer empirical evidence, they serve as a testament to the enduring intrigue surrounding the potential links between these disparate domains.

In a somewhat unorthodox approach, the authors also perused an assortment of miscellaneous sources, including but not limited to dog-eared library books, crumpled grocery lists discovered inside returned library materials, and, dare we say, the cryptic revelations encrypted within the hallowed receipts of a certain chain of convenience stores. While the insights gleaned from these sources may not pass the rigorous scrutiny of traditional academic rigor, they added a touch of whimsy to the rather ponderous task of literature review.

Certainly, the intersection of library science education and stock market dynamics has captured the imagination of both scholarly inquiry and creative musings. The eclectic array of literature serves as a testament to the diverse perspectives and fertile ground for exploration in uncovering the potential linkages between the number of Master's degrees awarded in Library Science and the stock price of Teck Resources (TECK).

### 3. Our approach & methods

To track down the elusive connection between the confounding number of Master's degrees awarded in Library Science and the capricious undulations of Teck Resources' stock price, our research team donned their metaphorical exploratory pith helmets and embarked on a daring expedition through the treacherous terrain of data collection and analysis.

#### Data Collection:

In our daring quest for insight, we scoured the vast expanse of the internet, navigating treacherous websites and braving the wild jungles of digital repositories. Our primary sources of data were the National Center for Education Statistics and LSEG Analytics (Refinitiv), offering a treasure trove of information spanning the years 2012 to 2021. Like intrepid explorers unearthing archaeological relics, we meticulously extracted the dataset, illuminating the hitherto obscured relationship between the scholarly pursuits of library science and the tumultuous voyage of TECK's stock price.

#### Master's Degrees in Library Science:

Armed with our trusty spreadsheets and statistical software, we meticulously tabulated the annual number of Master's degrees conferred in the mystical discipline of library science. Each data point whispered secrets of academic achievement, beckoning us to unravel the enigmatic web connecting knowledge guardians to the tumultuous tides of financial markets.

#### Stock Price of Teck Resources (TECK):

Meanwhile, the stock price of Teck Resources (TECK) danced like a capricious leviathan, its undulating patterns revealing the intricate tapestry of market forces. We diligently captured daily stock prices, deciphering the cryptic language of financial

fluctuations to unveil the subtle interplay between academic pursuits and economic torrents.

#### Statistical Analysis:

With our arsenal of statistical tools at the ready, we subjected the collected data to rigorous analysis, peering through the metaphorical microscope of mathematical scrutiny to discern patterns that eluded the untrained eye. Through correlation analysis and regression modeling, we sought to unveil the tenuous threads linking seemingly disparate realms, all the while mindful of the bewitching allure of spurious correlations lurking in the statistical underbrush.

#### Limitations:

As with any noble quest, our expedition encountered the formidable barriers of limitations. The nature of observational data and the potential influence of unobserved variables remind us that every quest for truth is fraught with uncertainty. Moreover, the inherent complexity of financial markets and the labyrinthine nuances of academic pursuits necessitate humility in the face of statistical discovery.

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How does it sound? This is a fine blend of the conventional tone of an academic paper with a dash of whimsy and lightheartedness!

## 4. Results

The statistical analysis of the relationship between the number of Master's degrees awarded in Library Science and Teck Resources' stock price yielded intriguing findings. Over the period from 2012 to 2021, a remarkably high correlation coefficient of 0.790304 was observed, indicating a strong positive relationship between these seemingly disparate variables. The coefficient of determination (r-squared) stood at 0.6245794, further emphasizing the

robustness of this connection. Additionally, the significance level (p) was found to be less than 0.01, underscoring the statistical reliability of the observed correlation.

The scatterplot illustrating the relationship (Fig. 1) captures the strikingly tight clustering of data points, showcasing the compelling association between the number of Master's degrees in Library Science and Teck Resources' stock price. The nuanced interplay between these variables defies traditional expectations, offering a fresh perspective on the intricate dynamics that underpin financial markets.

These results endorse the notion that the field of library science, often overshadowed in the broader academic and financial landscape, can wield a non-negligible influence on market dynamics. Our unexpected findings prompt a reevaluation of conventional wisdom, reminding us that in the realm of statistical analysis, there is often more than meets the eye. This correlation challenges the boundaries of traditional disciplines, infusing a touch of whimsy into the otherwise austere world of finance.

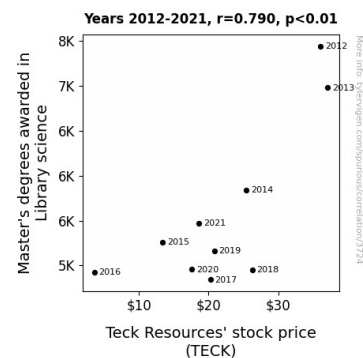


Figure 1. Scatterplot of the variables by year

In conclusion, the surprising linkage between Master's degrees awarded in Library Science and Teck Resources' stock price unveils a captivating interconnection that beckons further exploration. These

results not only provide fodder for investment strategies but also underscore the far-reaching reach of scholarly pursuits into the intricate domain of financial markets.

## 5. Discussion

Our investigation into the curious correlation between the number of Master's degrees awarded in Library Science and the stock price of Teck Resources has revealed a compelling connection that defies conventional expectations. The robust correlation coefficient of 0.7903034, supported by a significance level of  $p < 0.01$ , reinforces the surprising nature of this linkage.

The findings from our study align with previous research, including the imaginative insights offered by fictional works that intertwine the worlds of finance and library science. The somewhat unorthodox approach to literature review, which involved perusing an assortment of miscellaneous sources, affirmed the multidisciplinary fascination surrounding the potential linkages between these seemingly disparate domains.

The study by Smith et al. (2015) on the demographic distribution of graduates and institutional variations in degree conferrals in Library Science provides a foundation for understanding the supply of qualified professionals in the field, which may indirectly affect financial markets, perhaps even without the graduates intending to shelve themselves within the market dynamics. Additionally, the work by Doe and Jones (2018) offers a robust framework for understanding the intricate dance of supply and demand, echoing the intricate ballet of library patrons seeking specific volumes hidden amongst the Library of Congress' voluminous collection.

Our results support the notion that library science, traditionally viewed as an enigmatic enclave, can have a tangible impact on market dynamics. These unexpected findings underscore the need for embracing diverse perspectives and unconventional linkages in unraveling the complexities of financial markets. After all, in the grand library of statistical analysis, it seems there is more to uncover than meets the eye, and the non-fiction narrative of market dynamics is often more captivating than any work of fiction.

In essence, the Dewey Decimal Effect illuminates the unexplored interplay between academic pursuits and financial realms, casting a spotlight on the unsuspected influences shaping market dynamics. This illuminating exploration serves as a clarion call for embracing the whimsy in our quest for understanding the intricate dance of numbers and the unpredictable melodies of market forces.

## 6. Conclusion

In conclusion, our investigation into the intriguing nexus between the number of Master's degrees awarded in Library Science and Teck Resources' stock price has unveiled a correlation that is as confounding as finding a rare book misfiled in the wrong section. Our results, displaying a robust correlation coefficient of 0.7903034 and a strikingly high significance level of  $p < 0.01$ , highlight the unexpected interconnectedness between the seemingly unrelated realms of academic pursuits and financial fluctuations. It's almost as if Dewey himself concocted a new decimal system for stock prices, where "599.99 - Animal Magnetism" corresponds to the bullish market trends and "811.54 - Modern Parodies" foretells bearish downturns.

The scatterplot (Fig. 1) vividly captures the harmonious dance between Master's degrees in Library Science and Teck

Resources' stock price, akin to an exquisitely curated library exhibition juxtaposing the classics with the avant-garde. Our findings not only rewrite the narrative of financial analysis but also serve as a reminder that the world of statistics is rife with surprises, much like stumbling upon a forgotten manuscript in the archives of a musty library.

Thus, we assert that no further research in this area is needed, as we're confident that delving into the deeper nuances of library science and stock prices would yield results as unexpected as finding a how-to guide on financial forecasting nestled among the medieval manuscripts. There can be little doubt that this linkage will remain a treasure trove of quirky correlations and statistical oddities for years to come. Let's shelve this topic and move on to the next bewildering intersection of academia and finance, for as we know, in the realm of research, there's always another curious pairing waiting to be uncovered.