Project Title: "Employment Dynamics and Dividend Payouts: Analyzing the Interplay in Stock Market Performance"

Team Members: Lucas Ludwig, Breanna Mitchell, and Eric Martin

Project Description:

The objective of this project is to analyze the relationship between employment dynamics and dividend payouts and their impact on the stock market performance of companies. The project will seek to answer the question of whether changes in employment dynamics, such as layoffs or hiring sprees, have a significant impact on the dividend payout decisions of companies, and whether such decisions subsequently affect the performance of their stock prices.

The project will use a mixed-methods approach, involving both quantitative and qualitative data analysis. The quantitative analysis will involve collecting and analyzing data on the employment dynamics, dividend payouts, and stock market performance of a sample of companies from a range of industries. The qualitative analysis will involve conducting interviews with industry experts to gain insights into the factors that influence companies' decisions on employment and dividend payouts.

Project Outline:

Introduction

Research questions:

How does a company's employment history (such as employee growth, turnover rate, and average tenure) correlate with its dividend payout patterns in the stock market over a specific time period?

Are companies more likely to decrease or increase their dividend payouts following a change in their employment dynamics?

To what extent do changes in dividend payouts of companies affect their stock market performance? Are companies with higher dividend payouts more likely to experience positive stock price movements, or is there no significant relationship between the two variables?

What are the key factors that influence companies' decisions on employment and dividend payouts?

Theoretical framework and hypotheses Methodology

Data collection methods

Data analysis techniques

Sample selection criteria

Results and Analysis

Descriptive statistics on employment dynamics, dividend payouts, and stock market performance

Regression analysis to test hypotheses.

Qualitative analysis of interview data

Interpretation of results

Conclusion

Summary of findings

Limitations and future research directions

Contributions and significance of the study

References

Data Sets to be Used:

<https://intrinio.com/>

<https://data.nasdaq.com/tools/api>

<https://www.alphavantage.co/academy/#academy-intro>

[SEC EDGAR Filings API (sec-api.io)](https://sec-api.io/)

Task:

Pull Data Sets from API keys in CSV format.

Set programs to pull data for each specific company.

Combine Dataframes for master report.

Come to agreement on Visualization of Data

Code

Answer questions

Write Summary report.

Present to Class