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

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Project Description:

This project aims 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 whether changes in employment dynamics, such as layoffs or hiring sprees, significantly impact companies' dividend payout decisions and whether such decisions subsequently affect the performance of their stock prices.

The project will use a mixed-methods approach involving quantitative and qualitative data analysis. The quantitative analysis will include collecting and analyzing data on the employment dynamics, dividend payouts, and stock market performance of a sample of companies from various industries. The qualitative analysis will involve interviews with industry experts to gain insights into the factors influencing 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 period?

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

To what extent do company dividend pay changes 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 key factors 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)

Task:

Pull Data Sets from API keys in CSV format.

Set programs to pull data for each specific company.

Combine Dataframes for the master report.

Agree on Visualization of Data

Code

Answer questions

Write a Summary report.

Present to Class