

Investment Sentiment Analysis Capstone Project Report

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Abstract. The abstract should briefly summarize the contents of the paper in 150–250 words. The abstract should briefly summarize the contents of the paper in 150–250 words. The abstract should briefly summarize the contents of the paper in 150–250 words. The abstract should briefly summarize the contents of the paper in 150–250 words.

Keywords: natural language processing · financial analysis · sentiment analysis · capital preservation

1 Introduction

The planned domain is Natural language processing and visualization to demonstrate trends on investment options. The goal is to analyze sentiment analysis of experts, investors and institutional investment firms. Based on current world events and the generalization of the cryptocurrencies, particularly the bitcoin, I would like to analyze investment trends to preserve capital. I will use Kaggle data sources to obtain data sets to analyze financial trends and compare to financial reports and determine the sentiment or opinions of experts on this field. The process will include the following steps:

1. Explore for possible investment analysis scenarios
2. Search for data sources and save it to computer in CSV and MS Excel formats
3. Use python to organize and clean
4. Select appropriate data sources and columns
5. Design and run analysis model
6. Use Tableau to present visualization of relevant results
7. Present project report

Subsequent paragraphs, however, are indented.

1.1 Goals of this Research

Specify exactly your aims of this paper. Also, write a sentence how you will address for each individual goal.

1.2 Literature Review

Write something related to your paper.

2 Methodology

3 Data Collection and processing

Data source: Cryptory library for Python and <https://www.kaggle.com/datasets/adilbhatti/bitcoin-and-fear-and-greed>. Data sources in CSV and MS Excel formats. Data scraping techniques: Use python to organize and clean. Select appropriate data sources and columns. Data attributes: Cryptograms bitcoin: seven rows, transaction date, open market value, low value, high value, total volume, closing values, market capitalization

Other specific data extraction details related to your project: Based on current world events, clean up items for dates before year 2019 and analyze effects after the COVID 19 Pandemic.

4 Discussion and findings

5 Conclusions

6 Ethical considerations and limitations

7 Recommendations

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References

1. Sheynin, N.: 3 ways to apply natural language processing (nlp) in financial research. AlphaSene (2022)
2. Vimalachandran, A., Jayachandran, T.: The financial crash of 2020 and the retail trader's boon: a correlation between sentiment and technical analysis. SN Business Economics