e-TurFinSAS: Entity Based Turkish Sentiment Analysis System

TÜBİTAK
2209 - A

Abstract

This project aims to analyse investor behavior and market sentiment by analysing tweets published on social media about BIST100 companies. With the entity-based sentiment analysis model to be developed in the Turkish Financial Natural Language Processing (NLP) field, each company in the text will be detected with the entity name recognition method and the sentiment will be classified as positive, negative or neutral. The model will provide a decision support mechanism for investors and market analysts, allowing them to better predict market trends.

Problem Statement

The project seeks to address the challenges of understanding social media sentiment associated with entities in the Turkish financial market

1 **Data gathered from Investing and KAP web sites.**

2 **We applied sentiment analysis to the data we gathered using chatgpt and savas-y bert models.**

3 **A specific NER model was developed to recognize words in terms of economic.**

4 **Web Application was developed with Flask.**

Features

- Detailed Stock Table
- Compare Stocks
- Stock Analysis
- Search Functionalty
- User Customization

Team Members

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Flask

jupyter

For more info