**Article 1**

Wankhade, N., Annavarpu, C., S., R., Kulkarni, C. (2022). A survey of sentiment analysis methods, applications, and challenges. Artificial Intelligence Review Vol 55. Pgs. 5731-5780.

Goal of the Paper

To do a broad overview of the Breadth, Importance, Issues. Methods of Sentiment Analysis

Why is it important?

This paper provides the reader and the researcher who might use sentiment analysis a review of its uses, the various methods to do Sentiment Analysis, and its importance in many areas.

How is it Solved – Methods?

The article reviews the various areas where sentiments can be found, how to select features and how to extract them, how to prepare to put them into a model for analysis, and what approaches to use. It compares (1) Lexicon based approaches, (2) Corpus based approaches, (3) Statistical Approaches, (4) Semantic Approaches, (5) Dictionary Approaches, (7) Machine Learning Approaches, (7) Aspect based approach (8) Transfer learning, and (9) Multimodal approaches. It them shows how to evaluate the analyses which include a confusion matrix (type1 and Type 2 errors in statistical terms), Precision Recall, Term Frequency and Inverse Documentation Frequency

Results/Limitations if Any

The results are that the reader has a decent grasp of Sentiment Analysis and how to use it.

**Article 2**

Jankova, Z. (2023). Critical Review of Text Mining and Sentiment Analysis for Stock Market Prediction. Journal of Business Economics and Management. Vol 24(1). Pgs. 177-198.

Goal of the Paper

To do Sentiment Analysis of the Stock Market

Why is it important?

Because it gives a specific example of how to gauge sentiment in the stock market, which coincides with the team’s goal.

How is it solved – Methods?

The authors use bibliometric analyses, to analyze papers in sentiment analysis and the stock market and using bibliographic analyses, the popularity of various approaches to analyze sentiment in the stock market.

Results/ Limitations if Any

The result is a comparison of various techniques to do sentiment analysis on the stock market.