

Sentiment Analysis Model Evaluation Report

Introduction

This is a sample evaluation report for the sentiment analysis model used in the SocialMetrics AI project. This report demonstrates the format and content of the automatically generated reports.

Data Overview

The model was trained on a dataset of 15 annotated tweets from the tweets table in our database. Each tweet was labeled with binary values for positive and negative sentiment.

Performance Metrics

Positive Sentiment Model

- Precision: 0.8500
- Recall: 0.7800
- F1-Score: 0.8136

Negative Sentiment Model

- Precision: 0.7900
- Recall: 0.8200
- F1-Score: 0.8047

Conclusion

The current sentiment analysis model provides good performance in analyzing tweet sentiments. With continued data collection and model refinement, we expect further improvements in accuracy.