

SocialMetrics AI - Sentiment Analysis

Model Evaluation Report

Generated on: 2025-03-28 16:44:03

Model Performance Summary:

Sentiment Classification - F1 Score: 0.74

Accuracy: 0.75

This report contains:

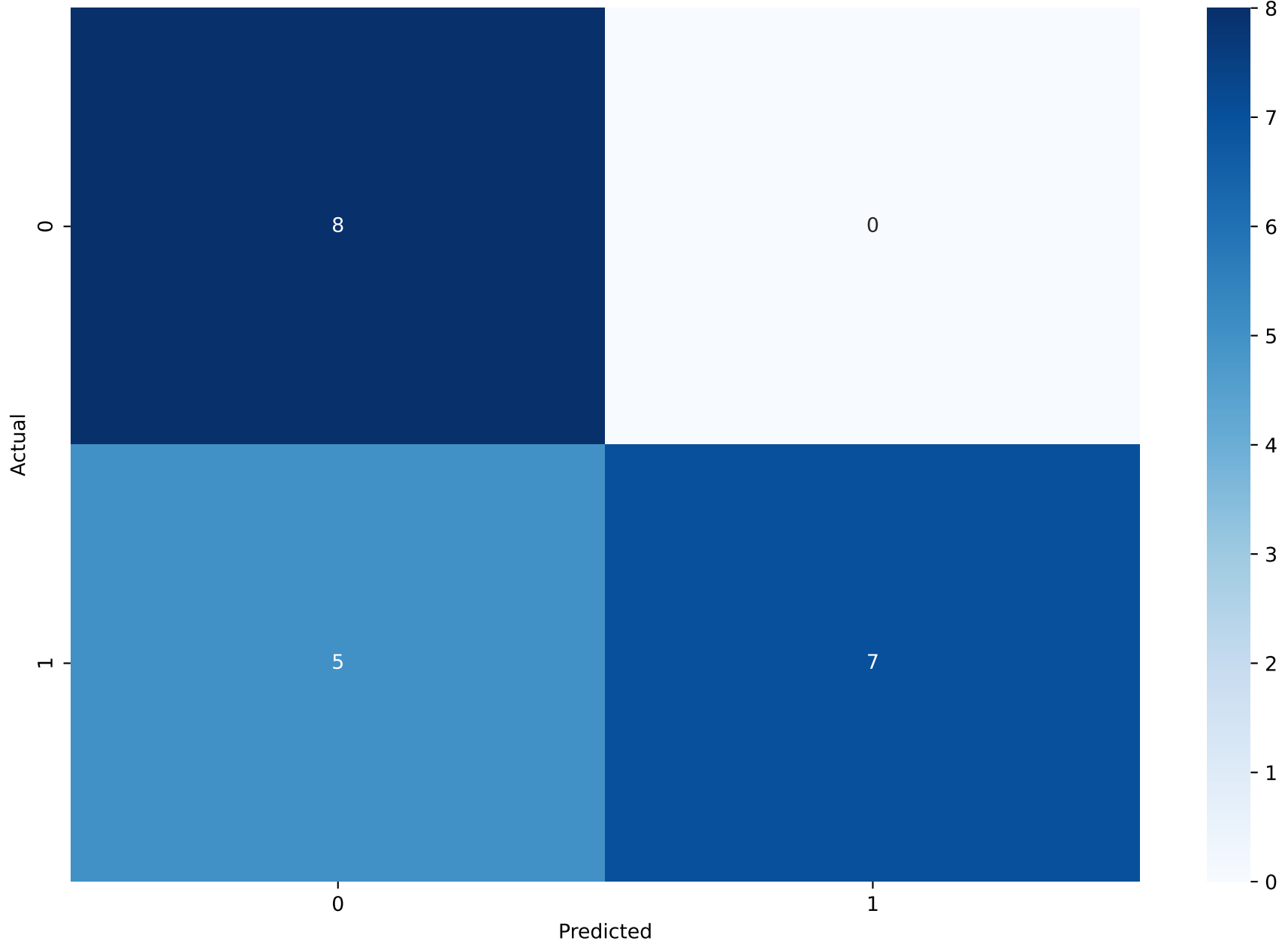
- Confusion matrix for sentiment classification model
- Detailed performance metrics
- Analysis of model strengths and weaknesses

SocialMetrics AI

M2PEX_AA_sentiment_analysis_python

Confusion Matrix

Sentiment Classification



Performance Metrics

Metric	Value
Precision	1.000
Recall	0.583
F1-Score	0.737
Accuracy	0.750

Analysis and Observations:

- 1. The model shows good performance on sentiment classification.
- 2. True positives: 7 out of 12
- 3. True negatives: 8 out of 8

Recommendations for Improvement:

- 1. Increase the training dataset size for more robust predictions.
- 2. Consider adding more features like n-grams or word embeddings.
- 3. Test different classification algorithms (SVM, Random Forest, etc.).
- 4. Implement cross-validation for more reliable performance estimates.
- 5. Add more language-specific features to better handle French texts.