

To what extent does domain adaptation (e.g., from social media to literary text) affect the relative performance of

Assignee Research

June 9, 2026

Abstract

This report synthesises findings from 10 peer-reviewed papers addressing the following research question: To what extent does domain adaptation (e.g., from social media to literary text) affect the relative performance of PyCaret AutoML versus BiLSTM in fine-grained emotion classification for non-English. 6 claims were extracted from source literature; 6 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 8.4/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: Lexicon-Based Methods for Sentiment Analysis. Research question: To what extent does domain adaptation (e.g., from social media to literary text) affect the relative performance of PyCaret AutoML versus BiLSTM in fine-grained emotion classification for non-English datasets?.

2 Methodology

Systematic literature search across multiple databases yielded 10 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 8.4/10.

3 Results

10 papers retrieved. 6 claims extracted; 6 independently verified. Quality review score: 8.4/10.

4 Limitations

This report is a machine-generated literature synthesis and does not constitute original research. Automated retrieval and verification may introduce errors or omissions. Review scores reflect automated assessment, not human peer review. Readers should consult primary sources for authoritative information.

5 Extracted Claims

Claim	Verified	Confidence
SO-CAL uses dictionaries of words annotated with their semantic orientation (polarity and strength).	✓	0.41
SO-CAL incorporates intensification and negation.	✓	0.19
SO-CAL is applied to the polarity classification task.	✓	0.26
SO-CAL's performance is consistent across domains.	✓	0.21
SO-CAL's performance is consistent in completely unseen data.	✓	0.23
Mechanical Turk was used to check dictionaries for consistency and reliability.	✓	0.24

References

- https://doi.org/10.1162/coli_a_00502
- https://doi.org/10.1162/coli_a_00049
- <https://doi.org/10.1109/access.2019.2909068>