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Submission Summary

Conference Name

Pacific-Asia Conference on Knowledge Discovery and Data Mining

Track Name

Research Track

Paper ID

6

Paper Title

Enhancing Sentiment Analysis with Multimodal Text and Image Fusion

Abstract

This paper explores innovative techniques for integrating textual and visual data from social media platforms, with the aim of improving sentiment analysis and emotion detection accuracy. Sentiment analysis and emotion detection are essential in discerning user opinions and emotional states on social media, offering applications in marketing, public opinion monitoring, and user experience analysis. Conventional methods focusing solely on text or images often miss the nuances and contextual richness of expressed emotions. Consequently, a multimodal fusion approach is proposed, combining both modalities to enhance sentiment and emotion analysis depth and precision. Various fusion techniques, deep learning models, and pre-trained embeddings are investigated. Extensive experiments on diverse social media dataset validate the proposed approach's superior performance compared to unimodal methods. This research advances multimodal sentiment analysis, facilitating more accurate sentiment and emotion detection in social media data. Its implications span applications such as sentiment-driven marketing, real-time user sentiment tracking, and emotion-aware content recommendations, offering exciting possibilities for future multimodal data analysis advancements.

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Primary Subject Area

Applications -> Texts, web, social media

Secondary Subject Areas

Submission Files

Enhancing Sentiment Analysis with Multimodal Text and Image Fusion.pdf (138.3 Kb, 05/09/2023, 23:12:28)

Submission Questions Response

1. Eligibility for student paper award

Is (Are) the primary author(s) of this work a registered student (students) at the time of submission?

Yes

2. Submission Policy

I understand and confirm that:

- 1) This submission represents new and original work.*
- 2) Concurrent submissions are not allowed.*
- 3) This paper (or a substantially similar one) was not published in or accepted to any peer-reviewed journal or conference or workshop with published proceedings, is not currently under review, and will not be submitted to other meetings or publications while under review of PAKDD 2024.*
- 4) If the submission is available in arXiv, the last submission date is on or before the date of one month before the submission deadline.*
- 5) PAKDD has a strict policy against plagiarism and self-plagiarism. All previously published work must be appropriately cited.*
- 6) If this paper is accepted, at least one author will complete the regular registration and attend the conference to present the paper. For no-show authors, the paper will not be included in the proceedings.*
- 7) The submission adheres to the format guidelines specified in the call for papers.*
- 8) Conflicts of interest are disclosed completely and correctly in the CMT system.*

Agreement accepted
