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| Title | Aspect-based Sentiment Analysis Model for Evaluating Teachers’ Performance from Students’ Feedback | | |
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| Abstract |  |
| Evaluating teachers’ performance is a fundamental  pillar of educational enhancement, guiding the evolution of pedagogical  practices and fostering enriched learning environments.  This study pioneers an innovative approach by harnessing sentiment  analysis within an aspect-based framework to decipher the  intricate emotional nuances embedded within students’ feedback.  By categorizing sentiments as positive, negative, and neutral, we  delve into the diverse perceptions of teaching aspects, offering  a multifaceted portrait of educators’ contributions. Through  meticulous data collection, preprocessing, and a deep learning  sentiment analysis model, we dissected student comments into  distinct teaching aspects. The subsequent sentiment analysis  unearthed positive, negative, and neutral sentiments. Positive  sentiments highlighted strengths and effective communication,  while negative sentiments illuminated areas for growth. Neutral  sentiments provided contextual equilibrium, forming a holistic  tapestry of teachers’ performance. The proposed model achieved  86% F1 score for classifying sentiments into three classes. | |