

Review of: "Sentiment Analysis of Opinions about Online Education in the Kurdistan Region of Iraq during COVID-19"

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Potential competing interests: No potential competing interests to declare.

- The abstract and introduction clearly outline the research, its goals, and the dataset used. However, it would be beneficial to state the hypotheses clearly.
- Consider briefly mentioning the challenges faced during the data collection process, especially regarding data inadequacy, and any steps taken to mitigate these challenges.
- It might be helpful to briefly explain why sentiment analysis is essential in online education during the COVID-19 pandemic.
- Add a brief statement about the potential implications and applications of the sentiment analysis results for online education in the Kurdistan Region.
- Provide more details about the specific algorithms used for sentiment analysis and how they were chosen. Elaborate on why Naïve Bayes, Support Vector Machine, Logistic Regression, and Random Forest were selected and how they were applied.
- Consider explaining why the chosen preprocessing steps were necessary and how they contribute to the effectiveness of sentiment analysis.
- Provide more context on why specific preprocessing steps were taken, particularly the removal of Arabic diacritics and transliteration into Persian/Arabic script. Explain how these steps contribute to the analysis of sentiments.
- Describe the criteria used by the three native Kurdish experts for labeling the data as negative or positive sentiments. Clarify any guidelines provided to ensure consistent labeling.
- Mention the inter-rater agreement or any measures taken to ensure the reliability of the labeling process.
- Consider expanding this section to include a more comprehensive review of previous studies related to sentiment analysis in educational contexts, particularly online education during COVID-19.
- Emphasize the importance of making the dataset publicly available and discuss how it can benefit other researchers in the field.
- Carefully review the manuscript for grammatical and typographical mistakes and ensure terminology and language usage consistency.
- Suggest providing a brief glimpse of future research directions or applications of the obtained sentiment analysis results.