

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.

Authors target a good area for research but there, but I have few concerns that can help the authors to improve their paper.

1. The introduction is written well. There is need to write some more on the sentiment analysis. For the references authors can see these papers (<https://ieeexplore.ieee.org/abstract/document/9714200/>) (Qureshi, M.A., Asif, M., Khan, M.F., Kamal, A. and Shahid, B., 2023. Roman Urdu Sentiment Analysis of Songs 'Reviews'.)
2. Add some literature of other languages as well. i.e. Chinese, Urdu, Hindi. Some of the papers are given below:
(Zhang, Binlong, and Wei Zhou. "Transformer-Encoder-GRU (TE-GRU) for Chinese Sentiment Analysis on Chinese Comment Text." *Neural Processing Letters* 55, no. 2 (2023): 1847-1867.)
(Zhao, Shuyi, and Fuping Yang. "Dual channel Chinese sentiment analysis of characters and words based on deep learning." In *2023 IEEE 6th Information Technology, Networking, Electronic and Automation Control Conference (ITNEC)*, vol. 6, pp. 231-235. IEEE, 2023.)
(Asif, Muhammad, Mujahid Bashir, M. Aasim Qureshi, H. M. Zain, and M. Shoaib. "Roman Urdu Sentiment Analysis of Reviews on PSL Anthems." *vol* 6: 4-11.)
(Qureshi, Muhammad Aasim, Muhammad Asif, Saira Anwar, Umar Shaukat, Muhammad Adnan Khan, and Amir Mosavi. "Aspect Level Songs Rating Based Upon Reviews in English." *Computers, Materials & Continua* 74, no. 2 (2023).)
(Qureshi, M.A., Asif, M., Khan, M.F., Kamal, A. and Shahid, B., 2023. Roman Urdu Sentiment Analysis of Songs 'Reviews'.)
3. Add some Statistics of the dataset. for the reference see the paper (Qureshi, M.A., Asif, M., Hassan, M.F., Mustafa, G., Ehsan, M.K., Ali, A. and Sajid, U., 2022. A novel auto-annotation technique for aspect level sentiment analysis. *Comput Mater Contin*, 70(3), pp.4987-5004.)
4. Add the English translation of the dataset as well.
5. Add the Statistics of the labelling. for the reference see the papers:
(https://scholar.google.com/citations?view_op=view_citation&hl=en&user=xb3_zsQAAAAJ&citation_for_view=xb3_zsQAAAAJ:mB3voiENLucC)
(https://scholar.google.com/citations?view_op=view_citation&hl=en&user=xb3_zsQAAAAJ&citation_for_view=xb3_zsQAAAAJ:hFor9nPyWt4C)

([https://scholar.google.com/citations?](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=xb3_zsQAAAAJ&citation_for_view=xb3_zsQAAAAJ:-f6ydRqryjwC)

[view_op=view_citation&hl=en&user=xb3_zsQAAAAJ&citation_for_view=xb3_zsQAAAAJ:-f6ydRqryjwC\)](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=xb3_zsQAAAAJ&citation_for_view=xb3_zsQAAAAJ:-f6ydRqryjwC)

([https://scholar.google.com/citations?](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=xb3_zsQAAAAJ&citation_for_view=xb3_zsQAAAAJ:r0BpntZqJG4C)

[view_op=view_citation&hl=en&user=xb3_zsQAAAAJ&citation_for_view=xb3_zsQAAAAJ:r0BpntZqJG4C\)](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=xb3_zsQAAAAJ&citation_for_view=xb3_zsQAAAAJ:r0BpntZqJG4C)

([https://scholar.google.com/citations?](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=xb3_zsQAAAAJ&citation_for_view=xb3_zsQAAAAJ:bEWYMUwl8FkC)

[view_op=view_citation&hl=en&user=xb3_zsQAAAAJ&citation_for_view=xb3_zsQAAAAJ:bEWYMUwl8FkC\)](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=xb3_zsQAAAAJ&citation_for_view=xb3_zsQAAAAJ:bEWYMUwl8FkC)

([https://scholar.google.com/citations?](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=xb3_zsQAAAAJ&citation_for_view=xb3_zsQAAAAJ:R3hNpaxXUhUC)

[view_op=view_citation&hl=en&user=xb3_zsQAAAAJ&citation_for_view=xb3_zsQAAAAJ:R3hNpaxXUhUC\)](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=xb3_zsQAAAAJ&citation_for_view=xb3_zsQAAAAJ:R3hNpaxXUhUC)

Also add these papers in the literature, it helps to expand the literature.

6. For the data balancing technique, in which you make the dataset balance with equal number of positive and negative examples, see the following paper and follow it to write this section again.

([https://scholar.google.com/citations?](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=xb3_zsQAAAAJ&citation_for_view=xb3_zsQAAAAJ:r0BpntZqJG4C)

[view_op=view_citation&hl=en&user=xb3_zsQAAAAJ&citation_for_view=xb3_zsQAAAAJ:r0BpntZqJG4C\)](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=xb3_zsQAAAAJ&citation_for_view=xb3_zsQAAAAJ:r0BpntZqJG4C)