

Review of: "Enhancing Student Writing Skills: Leveraging Transfer Learning and Fine-tuned Language Models for Automated Essay Structure Recognition"

Shivani Malhotra¹

¹ Thapar Institute of Engineering & Technology

Potential competing interests: No potential competing interests to declare.

This manuscript needs a lot of proofreading and attention. Research is not novel as far as the present performance is taken into account. It can be considered if some novel innovation is done in the mentioned pre-trained models.

1. The author has mentioned Section B: Data Cleaning and Preprocessing. Then, created two separate sections for data cleaning and data preprocessing. I think these two steps should be mentioned as B.1, B.2 or just put them as separate sections. The present scenario shows section B as an empty section. The authors need to modify section E title. In section F, "For the model hyperparameters, we used", it should be "we have used". Similarly, in section VI, "In our experiment, we performed fine-tuning", it should be "In our experiment, we have performed fine-tuning". First person usage is not allowed as done in section G. Please check such grammatical mistakes in other sections too.

2. Image captions seem incomplete. Kindly make them more self-explanatory.

3. Where is the proposed model's architecture? What have the author innovated using the mentioned existing architectures?

4. Why have the author specifically computed F-score and not accuracy, precision, etc? There is no tables illustrating the experimental results. Also, no visualizations have been shown for Tensorflow Longformer.

5. Can you compare the performance with SBERT?