HAHT performs better in conducting MSC and generates more human-like, context-relevant, and history-aware responses than state-of-the-art models.

7 Limitations

One limitation of this work is that HAHT has only been evaluated on one dataset. However, to the best of best of our knowledge, Facebook MSC is, by far, the only large-scale multi-session conversation dataset available. Nevertheless, our proposed model consistently outperforms baseline models on conversations with different numbers of history sessions in Facebook MSC.

A potential solution to this limitation is to construct more MSC datasets in open-domain or in specific-domain that may benefit from the awareness of history conversations, *e.g.*, conversational recommendation or automatic medical assistants.

8 Acknowledgments

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