

## Responsible NLP Checklist

Paper title: *DMRetriever: A Family of Models for Improved Text Retrieval in Disaster Management*

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How to read the checklist symbols:

- the authors responded 'yes'
- the authors responded 'no'
- the authors indicated that the question does not apply to their work
- the authors did not respond to the checkbox question

For background on the checklist and guidance provided to the authors, see the [Responsible NLP Checklist](#) page at ACL Rolling Review.

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### A. Questions mandatory for all submissions.

A1. Did you describe the limitations of your work?  
*This paper has a Limitations section.*

A2. Did you discuss any potential risks of your work?  
*We present the potential risks in Ethics Statement part*

### B. Did you use or create scientific artifacts? (e.g. code, datasets, models)

B4. Did you discuss the steps taken to check whether the data that was collected/used contains any information that names or uniquely identifies individual people or offensive content, and the steps taken to protect/anonymize it?  
*We provide it in Ethics Statement*

B6. Did you report relevant statistics like the number of examples, details of train/test/dev splits, etc. for the data that you used/created?  
*We provide in Section 4.1, Appendix E, and Table 10*

### C. Did you run computational experiments?

C2. Did you discuss the experimental setup, including hyperparameter search and best-found hyperparameter values?  
*We provide it in Appendix D and Appendix I*

C3. Did you report descriptive statistics about your results (e.g., error bars around results, summary statistics from sets of experiments), and is it transparent whether you are reporting the max, mean, etc. or just a single run?  
*We provide in Section 5*

### D. Did you use human annotators (e.g., crowdworkers) or research with human subjects?

D1. Did you report the full text of instructions given to participants, including e.g., screenshots, disclaimers of any risks to participants or annotators, etc.?  
*We did not include human annotators in this work as we mainly focus on model training*

*The Responsible NLP Checklist used at ACL Rolling Review is adopted from NAACL 2022, with the addition of ACL 2023 question on AI writing assistance and further refinements based on ARR practice. ACL 2026 used a subset of ARR checklist form.*

- D2. Did you report information about how you recruited (e.g., crowdsourcing platform, students) and paid participants, and discuss if such payment is adequate given the participants' demographic (e.g., country of residence)?

*We did not include human annotators in this work as we mainly focus on model training*

- D3. Did you discuss whether and how consent was obtained from people whose data you're using/curating (e.g., did your instructions explain how the data would be used)?

*We did not include human annotators in this work as we mainly focus on model training*

- D4. Was the data collection protocol approved (or determined exempt) by an ethics review board?  
*The study uses publicly available datasets without any personally identifiable or sensitive information, so ethics review board approval was not required.*

**E. Did you use AI assistants (e.g., ChatGPT, Copilot) in your research, coding, or writing?**

- E1. If you used AI assistants, did you include information about their use?

*We use ChatGPT API for training data generation. We include the information in Section 3.3.1*