

## Responsible NLP Checklist

Paper title: *Think Globally, Group Locally: Evaluating LLMs Using Multi-Lingual Word Grouping Games*

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How to read the checklist symbols:

- the authors responded 'yes'
- the authors responded 'no'
- N/A 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?

*Discussed in Section 8.*

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

- B1. Did you cite the creators of artifacts you used?

*Used existing large language models, as discussed in Section 4.3. We used existing pretrained word embeddings, as discussed in Section 4.1.*

- B2. Did you discuss the license or terms for use and/or distribution of any artifacts?

*Appendix J*

- B3. Did you discuss if your use of existing artifact(s) was consistent with their intended use, provided that it was specified? For the artifacts you create, do you specify intended use and whether that is compatible with the original access conditions (in particular, derivatives of data accessed for research purposes should not be used outside of research contexts)?

*We discuss the purpose of the dataset in Sections 2 and 3, and experimental setup using the dataset in Section 4. Additional discussion of intended use is found in Appendix J.*

- 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?

*Discussion of dataset quality control is discussed in Section 3 and the Limitations Section 8.*

- B5. Did you provide documentation of the artifacts, e.g., coverage of domains, languages, and linguistic phenomena, demographic groups represented, etc.?

*Features of the dataset, consideration of culture, and game features are discussed in Section 3, Section 8, with additional information in the Appendix F.*

- 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?

*Dataset statistics are discussed in Section 3.*

*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.*

**C. Did you run computational experiments?**

- C1. Did you report the number of parameters in the models used, the total computational budget (e.g., GPU hours), and computing infrastructure used?

*Model parameters are discussed in the Appendix B.*

- C2. Did you discuss the experimental setup, including hyperparameter search and best-found hyperparameter values?

*The experimental setup using the models was discussed in Section 4.*

- 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?

*Results and figures relating to results are discussed in Sections 5 and 6, along with additional figures/tables in the Appendix.*

- C4. If you used existing packages (e.g., for preprocessing, for normalization, or for evaluation, such as NLTK, SpaCy, ROUGE, etc.), did you report the implementation, model, and parameter settings used?

*Existing package use is discussed in Appendix J.*

**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.?

*The initial request given to annotators and details regarding further information are detailed in Appendix F.*

- 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)?

*Dataset collection information is provided in Section 3 and Appendix F.*

- 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)?

*This information is provided in Section 3 and Appendix F.*

- D4. Was the data collection protocol approved (or determined exempt) by an ethics review board?  
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- D5. Did you report the basic demographic and geographic characteristics of the annotator population that is the source of the data?

*Annotator characteristics are described in Section 3 and Appendix F.*

**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?

*This is discussed in Appendix F.*