

## Responsible NLP Checklist

Paper title: *GALA: Geometric Data Selection with Strategic Prospecting for Large Language Model Self-training*

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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?

*In limitations section*

### 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?

*The data used in this study originated from publicly available academic benchmarks. No data collection involving human subjects was involved. Such academic issues are inherently unlikely to contain personal names, contact information, or other sensitive personal information, nor are they likely to contain offensive content.*

- 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?

*4, A*

### C. Did you run computational experiments?

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

*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?

*4*

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*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.*

**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 qualitative analysis was completed by the author, and automated evaluation was employed in the research.*

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 do not recruit crowdsourcing platform or students.*

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 is not applicable. The research did not collect new data from human subjects. It relies exclusively on pre-existing and publicly available benchmark datasets, which are standard in the field. The paper does not discuss the consent processes of these external datasets as the authors were not involved in their original collection.*

D4. Was the data collection protocol approved (or determined exempt) by an ethics review board?

*The data used in this study originated from publicly available academic benchmarks. No data collection involving human subjects was involved. Such academic issues are inherently unlikely to contain personal names, contact information, or other sensitive personal information, nor are they likely to contain offensive content.*

**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 used AI assistants strictly for language polishing, grammar correction, and improving structure and the readability of our manuscript.*