Responsible NLP Checklist

Paper title: HetGCoT: Heterogeneous Graph-Enhanced Chain-of-Thought LLM Reasoning for Academic Question Answering

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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 Checkli page at ACL Rolling Review.	st

✓ 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?

 Our study poses minimal risk since all datasets and baseline methods used are publicly available and widely adopted in prior research.
- **B.** Did you use or create scientific artifacts? (e.g. code, datasets, models)
 - ☑ B1. Did you cite the creators of artifacts you used? *4 Experiments*
 - B2. Did you discuss the license or terms for use and/or distribution of any artifacts? Appendix A.1 Dataset Detail
- ☑ 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)?

 Appendix A.1 Dataset Detail
- ☑ 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 use publicly available datasets that have been used in prior work. The data contains only academic metadata (e.g., paper titles, author names) and does not allow identification of individuals beyond what is already publicly accessible.
- ☑ B5. Did you provide documentation of the artifacts, e.g., coverage of domains, languages, and linguistic phenomena, demographic groups represented, etc.?

 4.2 Baseline Methods
- ☑ 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?
 - A.1 Experiment Setup Detail

☑ 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?
 - A.1 Experiment Setup Detail
- ☑ C2. Did you discuss the experimental setup, including hyperparameter search and best-found hyperparameter values?
 - A.1 Experiment Setup Detail
- 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 Experiments
- ☑ 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?
 - 4.1 Experimental Setup

Z 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 involve any human annotators or research with human subjects in this study.
- 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)?
 - As no human subjects or annotators were used, this item is not applicable.
- 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)?

 All datasets used in this work are publicly available.
- D4. Was the data collection protocol approved (or determined exempt) by an ethics review board? *All datasets used in this work are publicly available.*
- D5. Did you report the basic demographic and geographic characteristics of the annotator population that is the source of the data?
 - As no human subjects or annotators were used, this item is not applicable.

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?

AI assistants were used only to refine and revise phrasing in the written content.