

## Responsible NLP Checklist

Paper title: *ODL-TempLLM: Ontology-Guided and Description Logic-Reasoned Temporal Reasoning with LLMs*

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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?

*We did not discuss potential risks because our dataset is derived from publicly available third-party resources. All data do not include sensitive or personally identifiable information collected by us. Therefore, we consider the risk to be minimal and did not include a separate risk discussion.*

### 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 did not discuss this aspect because our work uses only publicly available datasets that contain structured factual content. These datasets do not include personally identifiable information or offensive material, and therefore no anonymization or protection steps were required.*

#### 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?

*No we directly use publicly available datasets created by others, and therefore did not report statistics ourselves. Readers can refer to the original dataset papers for detailed statistics.*

### C. Did you run computational experiments?

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

*Our method does not require training or fine-tuning large language models. All experiments are conducted using publicly available models with fixed configurations.*

#### 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?

*Yes see Section 4.1, where we report experimental results as the average over five runs.*

*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.?

*Yes see Section Appendix C*

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)?

*No we relied on a small number of domain experts for limited annotation. Given the small scale and absence of formal recruitment or payment procedures, we did not report recruitment or payment details in the paper.*

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)?

*Yes see Section Appendix C*

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

*(left blank)*

**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?

*(left blank)*