

Responsible NLP Checklist

Paper title: *Conformal Event Prediction with Temporal Knowledge Graph*

Authors: *Cheng Hu, Cong Cao, Fangfang Yuan, Diandian Guo, Pin Xu, Yu Liu, Yanbing Liu*

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.

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?

Ethics Statement

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?

In this study, we do not introduce any additional data collection, but rely exclusively on publicly available event datasets that have been widely used in prior event prediction research. These datasets provide event-level information in an aggregated and structured form, such as entities, relations, and timestamps, and do not contain personal identifiers, user-generated content, or information that can uniquely identify individuals. The corresponding event textual information has been anonymized using MD5 hashing. We further verified that the data does not include explicit personally identifiable information or offensive textual content, and therefore no additional anonymization procedures are 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?

section 5.1 and Appendix C.1

C. Did you run computational experiments?

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

The experimental setup is described in Appendix C.2, and the hyperparameter experiments are reported in Appendix C.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?

As detailed in Appendix C.2, our results are obtained through multiple training runs, and Tables 2, 3, and 4 report the results with error bars.

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.?

All label information in this work is obtained from the widely used CAMEO coding framework, without involving any additional participant-based annotation.

- 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 participants were recruited in this study.

- 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)?

An repository containing the dataset is provided in the abstract. The data is publicly available for unrestricted use.

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

The datasets employed in this study are publicly available and widely recognized in the field, involving no ethical issues regarding their use.

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?

Ethics Statement