

Responsible NLP Checklist

Paper title: *Revisiting Chain-of-Thought Prompting: Zero-shot Can Be Stronger than Few-shot*
Authors: *Xiang Cheng, Chengyan Pan, Minjun Zhao, Deyang Li, Fangchao Liu, Xinyu Zhang, Xiao Zhang, Yong 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?

Our work does not involve potential risks.

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

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

section 2

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

No, the discussion of the license for artifacts was not provided as it has already been included in cited paper

- 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)?

No, the discussion of the artifact use consistent with intended use was not provided as it has already been included in cited paper

- 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?

No, this is addressed in the datasheet and foundational paper for the public benchmark dataset we employ

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

No, the documentation of artifacts was not provided as it has already been included in cited paper.

- 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, the statistics for data was not provided as it has already been included in cited paper.

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?

section 3

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

section 3

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?

Due to the fixed random seed and greedy decoding, the results depend solely on the experimental hardware environment.

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?

section 3

D. Did you use human annotators (e.g., crowdworkers) or research with human subjects?

^{N/A} 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.?

(left blank)

^{N/A} 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)?

(left blank)

^{N/A} 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)?

The data we use is public and the data consent is already discussed in the cited paper

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

The ethics review board approval is already discussed in the cited paper

^{N/A} D5. Did you report the basic demographic and geographic characteristics of the annotator population that is the source of the data?

(left blank)

E. Did you use AI assistants (e.g., ChatGPT, Copilot) in your research, coding, or writing?

^{N/A} E1. If you used AI assistants, did you include information about their use?

(left blank)