

Responsible NLP Checklist

Paper title: *QUARTZ: Quantile-Aware Routing and Queueing for TTFT SLOs in LLM Serving*

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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.

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?

(left blank)

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?

(left blank)

- 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?

(left blank)

C. Did you run computational experiments?

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

We report the hardware platform, serving stack, model scales, and default QUARTZ parameters, but the current manuscript does not yet describe the hyperparameter search or selection procedure in sufficient 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?

Section 5.1. We report averages over three runs with different random seeds, and compare all methods under identical request traces and offered loads.

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.?

No human participants or annotators were involved in this study

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.

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 or paid, since this work did not involve human-subject studies or annotation

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 work did not collect new data from human participants or annotators

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

No human-subject data collection or annotation was conducted in this work, so ethics board approval was 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 for limited writing support, such as language polishing and wording suggestions.