

## Responsible NLP Checklist

Paper title: *FC-TTS: Style and Timbre Control in Zero-Shot Text-to-Speech with Disentangled Speech Representations*

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How to read the checklist symbols:

- the authors responded 'yes'
- the authors responded 'no'
- <sup>N/A</sup> 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?

*Please refer to Section 7 (Ethical Considerations).*

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

- <sup>N/A</sup> 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 used publicly available datasets (LibriHeavy, LibriSpeech test-clean, and RAVDESS) in their original form. These datasets have been widely used in the speech research community and have been verified to contain no personally identifiable or offensive content.*

- 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?

*Detailed statistics for all datasets used in this work are provided in Appendix B.*

### C. Did you run computational experiments?

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

*All final hyperparameter values are provided in Appendix C. However, we did not conduct or document a formal hyperparameter search, as we followed commonly used values from prior work rather than performing an extensive search.*

- 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?

*We evaluated our system on the LibriSpeech test-clean benchmark using over 1,000 samples and report mean values to ensure stable performance measurement. We did not conduct multiple independent runs, as several baseline results were sourced directly from prior published work and were not reproducible under identical conditions.*

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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.?

*The full instructions given to participants, including screenshots of the evaluation interface, are provided in Appendix D.*

- 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)?

*We did not report details on participant recruitment or payment, as the listening test was conducted internally and participants were not compensated through a crowdsourcing platform.*

- 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)?

*Information regarding consent procedures is described in Appendix D.*

- <sup>N/A</sup> D4. Was the data collection protocol approved (or determined exempt) by an ethics review board?

*The listening test was conducted internally and did not require formal ethics review board approval.*

**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?

*The authors used AI writing assistance solely for minor language polishing and proofreading. Details are included in the Acknowledgments section.*