

Responsible NLP Checklist

Paper title: *VC4VG: Optimizing Video Captions for Text-to-Video Generation*

Authors: *Yang Du, Zhuoran Lin, Kaiqiang Song, Biao Wang, Zhicheng Zheng, Tiezhen Ge, Bo Zheng, Qin Jin*

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?

In ethics statement.

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

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

We have cited creators of artifacts in References.

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

Due to page limit, we provide license in the appendix. Both data and models we use are open-source and follow the CC-BY 4.0 license by default.

- 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)?

We ensured our artifact usage was consistent with their intended purposes, but due to page limits, this discussion present in appendix.

- 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 ensured our data is safe and appropriate and is open-sourced only for academic usage.

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

We did not provide detailed documentation of the artifacts due to page limit constraints and the belief that such information was not necessary for the scope of our research. The focus of our paper is on developing and evaluating the VC4VG framework, and we deemed it more important to prioritize other aspects within the given space.

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.

- 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?
In Section 2 and appendix.
- 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?
In Section 3 and Appendix.
- 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?
N/A
- 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?
N/A
- 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.?
These instructions are our private data.
- 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)?
All human evaluation annotation was conducted by members of our own research team. We did not recruit external participants or use crowdsourcing platforms for this purpose. The annotation work was performed internally, and no payment was involved for these tasks. Therefore, reporting information about recruitment methods and participant payments was not relevant to our 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)?
The data and models used in our research are all open-sourced for academic usage.
- D4. Was the data collection protocol approved (or determined exempt) by an ethics review board?
N/A
- D5. Did you report the basic demographic and geographic characteristics of the annotator population that is the source of the data?
These personal information are our private data. The annotator members of our research team who are highly qualified and experienced in video captioning and T2V generation tasks. Their expertise ensures reliable and consistent evaluations.
- 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?
In Section 2.