Responsible NLP Research Checklist

Members of the ACL are responsible for adhering to the ACL code of ethics. The ARR Responsible NLP Research checklist is designed to encourage best practices for responsible research, addressing issues of research ethics, societal impact and reproducibility.

Please read the Responsible NLP Research checklist guidelines for information on how to answer these questions. Note that not answering positively to a question is not grounds for rejection.

All supporting evidence can appear either in the main paper or the supplemental material. For each question, if you answer **Yes**, provide the section number; if you answer **No**, provide a justification.

You may complete the checklist either as a fillable PDF or via the LaTex source from the ARR website.

- If you are providing very brief justifications (less than 3 lines), using the fillable PDF will probably be easier.
- If you use the LaTex source, please do **not** modify, reorder, delete or add questions, question options or other wording of this document.

A For every submission

A1 Did you discuss the *limitations* of your work?

If you answer **Yes**, provide the section number; if you answer **No**, provide a justification.

Yes • No N/A

In Section 1 and Section 6

Section or Justification

A2 Did you discuss any potential *risks* of your work?

If you answer **Yes**, provide the section number; if you answer **No**, provide a justification.

Yes No • N/A

Our paper is a foundational research. In our paper, we aims to use two simply machine learning paradigms to address text classification tasks. We cannot think of any potential risks of our work.

Section or Justification

A3 Do the abstract and introduction summarize the paper's main claims?

If you answer **Yes**, provide the section number; if you answer **No**, provide a justification.

Yes • No N/A

Abstract and Section 1 Introduction

Section or Justification

B Did you use or create *scientific artifacts*?

If you answer **Yes**, provide the section number; if you answer **No**, you can skip the rest of this sectio.

Yes • No

If yes:

B1 Did you cite the creators of artifacts you used?

If you answer **Yes**, provide the section number; if you answer **No**, provide a justification.

Yes • No N/A

In Section 6.1 and Section 6.2

Section or Justification

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

If you answer **Yes**, provide the section number; if you answer **No**, provide a justification.

Yes • No N/A

In Section 6.2

Section or Justification

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)?

If you answer **Yes**, provide the section number; if you answer **No**, provide a justification.

Yes • No N/A

In Section 6.2. Apache License 2.0 gives permission on Commercial use, Modification, Distribution, Patent use and Private use.

Section or Justification

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?

If you answer **Yes**, provide the section number; if you answer **No**, provide a justification.

Yes No • N/A

The dataset we applied is a commonly used open-source benchmarks datasets in the field of lifelong text classification.

Section or Justification

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

If you answer **Yes**, provide the section number; if you answer **No**, provide a justification.

Yes • No N/A

In Section 6.1

Section or Justification

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?

If you answer **Yes**, provide the section number; if you answer **No**, provide a justification.

Yes • No N/A

In Section 6.1 and Section 6.2

Section or Justification

C Did you run *computational experiments*?

If you answer **Yes**, provide the section number; if you answer **No**, you can skip the rest of this section.

Yes • No

If yes:

C1 Did you report the *number of parameters* in the models used, the *total computational budget* (e.g., GPU hours), and *computing infrastructure* used?

If you answer **Yes**, provide the section number; if you answer **No**, provide a justification.

Yes • No N/A

In Section 6.2

Section or Justification

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

If you answer **Yes**, provide the section number; if you answer **No**, provide a justification.

Yes • No N/A

In Section 6.2

Section or Justification

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?

If you answer **Yes**, provide the section number; if you answer **No**, provide a justification.

Yes • No N/A

In Section 6.4

Section or Justification

C4 If you used existing packages (e.g., for preprocessing, for normalization, or for evaluation), did you report the implementation, model, and parameter settings used (e.g., NLTK, Spacy, ROUGE, etc.)?

If you answer **Yes**, provide the section number; if you answer **No**, provide a justification.

Yes • No N/A

In Section 6.2

Section or Justification

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

If you answer **Yes**, provide the section number; if you answer **No**, you can skip the rest of this section.

Yes No •

If yes:

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.?

If you answer **Yes**, provide the section number; if you answer **No**, provide a justification.

Yes No N/A

Section or Justification

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)?

If you answer **Yes**, provide the section number; if you answer **No**, provide a justification.

Yes No N/A

Section or
Justification

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)?

If you answer **Yes**, provide the section number; if you answer **No**, provide a justification.

Yes No N/A

Section or
Justification

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

If you answer **Yes**, provide the section number; if you answer **No**, provide a justification.

Yes No N/A

Section or
Justification

D5 Did you report the basic demographic and geographic characteristics of the *annotator* population that is the source of the data?

If you answer **Yes**, provide the section number; if you answer **No**, provide a justification.

Yes No N/A

Section or
Justification