

# 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.

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

Section or justification We mention that “Due to time constraints, our evaluation of the data augmentation method is limited to only using the children CTNs.” In the end of Section 4.2.

### 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.

No

Section or justification We do not see any potential risks of our work

### 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

Section or justification Abstract / Section 1

## 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 section.

Yes

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

Section or justification Yes, in footnotes in Section 3.2

**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.

No

Section or justification No. We did not see a need to discuss the license, but we mention the type of licences in footnotes in Section 3.2

**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.

No

Section or justification No, because the licenses are well known, standard licenses, which allow use of the artifacts in work like ours.

**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

Section or justification This is discussed in Section 3.1.

**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

Section or justification We note the language and source of our data in Section 3.1.

**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

Section or justification These data split statistics are displayed in Table 1, Section 2.

**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.

Choose an item.

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

Section or justification We refer to the literature that defines the architectures of the deep learning models that we use in section 3.2. In section 4.1., we describe the TPU hours needed to finetune the model for our task using the google cloud computing infrastructure.

**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.

N/A

Section or justification Yes and no: we do no hyperparameter tuning but we perform a “meta”-ablation study to choose which BERT-like model to use for the rest of our experiments (Section 4.1)

**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

Section or justification Yes, we show such statistics in Section 4.2. and describe the figure in the caption.

**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.

N/A

Section or justification We use the transformers package from training the BERT models (cited in Section 3.3) and scikit-learn for the logistic regression model (cited in Section 3.4)

**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

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.

N/A

Section or justification [Click or tap here to enter text.](#)

**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

Section or justification We disclose the source of our data in 3.1.

**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.

No

Section or justification In our case, when such a large data set is used, an exemption is granted under Icelandic law if it is considered infeasible to get consent from everyone. Here is a translated excerpt from our application for the project: "No consent will be obtained or they will be notified of the processing of information about them. In Article 2 Act no. 77/2000, personal information is defined and the data we work with does not fall under it. In addition, there are tens of thousands of individuals involved and there are strong arguments that it is almost impossible to let everyone know"

**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

Section or justification [Click or tap here to enter text.](#)

**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

Section or justification Section2, in a footnote