\<Team Name\> at SemEval-2023 Task 4: \<Descriptive Title\>

First Author
Affiliation / Address line 1
Affiliation / Address line 2
Affiliation / Address line 3
email@domain

Second Author
Affiliation / Address line 1
Affiliation / Address line 2
Affiliation / Address line 3
email@domain

Abstract

The abstract should contain a few sentences summarizing the paper

Instruction on submission requirements can be found here: https://semeval.github.io/paper-requirements.html (important points repeated below). A suggested structure (that this template follows) and examples can be found here: https://semeval.github.io/system-paper-template.html. We here assume your paper covers only this task. Otherwise, please check the web pages carefully for necessary changes.

This paper can be up to 5 pages excluding acknowledgments, references, and appendices. You can add an additional page for camera ready submission.

You have to use the title as above, just replace "\<Team Name\>" and "\<Descriptive Title\>". Usual patterns are to use you team's TIRA code name as "\<Team Name\>" or to start "\<Descriptive Title\>" with "The \<TIRA code name\> approach [to/of/...]".

At SemEval, papers are not anonymous when submitted for review.

Your paper should focus on:

Replicability: present all details that will allow someone else to replicate your system. Provide links to code repositories if you made your code open source, and the docker image name if you used Docker submission. **Note:** We will in our overview paper and at other opportunities point out which approaches are available open source and (even better) as Docker image to promote their widespread usage. If you re-submit your approach as Docker image in TIRA until the camera-ready deadline (and it produces the same results), please tell us so that we can include it in our overview paper.

Analysis: focus more on results and analysis and less on discussing rankings; report results on several runs of the system (even beyond the official submissions); present ablation experiments showing usefulness of different features and techniques; show comparisons with baselines.

Duplication: cite the task description paper (Kiesel et al., 2023); you can avoid repeating details of the task and data, however, briefly outlining the task and relevant aspects of the data is a good idea. (The official BibTeX citations for papers will not be released until the camera-ready submission period; the current bibtex entry is a placeholder and we will send you the correct one later.)

1 Introduction

- What is the task about and why is it important? Be sure to mention the language(s) covered and cite the task overview paper. about 1 paragraph

- What is the main strategy your system uses? about 1 paragraph

- What did you discover by participating in this task? Key quantitative and qualitative results, such as how you ranked relative to other teams and what your system struggles with. about 1 paragraph

- Have you released your code or Docker image? Give a URL

The bib file is already prepared with some papers you may want to cite. We humbly suggest to cite the following papers in case you need a citation. For the task of human value detection, we suggest our ACL paper (Kiesel et al., 2022). For the dataset, we uploaded a description to arXiv (Mirzakhmedova et al., 2023). For TIRA as the platform of the shared task (Fröbe et al., 2023).

2 Background

- In your own words, summarize important details about the task setup: kind of input and output (give an example if possible); what

datasets were used, including language, genre, and size. If there were multiple tracks, say which you participated in.

- Here or in other sections, cite related work that will help the reader to understand your contribution and what aspects of it are novel.

3 System Overview

- Key algorithms and modeling decisions in your system; resources used beyond the provided training data; challenging aspects of the task and how your system addresses them. This may require multiple pages and several subsections, and should allow the reader to mostly reimplement your system's algorithms.

- Use equations and pseudocode if they help convey your original design decisions, as well as explaining them in English. If you are using a widely popular model/algorithm like logistic regression, an LSTM, or stochastic gradient descent, a citation will suffice—you do not need to spell out all the mathematical details.

- Give an example if possible to describe concretely the stages of your algorithm.

- If you have multiple systems/configurations, delineate them clearly.

- This is likely to be the longest section of your paper.

4 Experimental Setup

- How data splits (train/dev/test) are used.

- Key details about preprocessing, hyperparameter tuning, etc. that a reader would need to know to replicate your experiments. If space is limited, some of the details can go in an Appendix.

- External tools/libraries used, preferably with version number and URL in a footnote.

- Summarize the evaluation measures used in the task.

- You do not need to devote much—if any—space to discussing the organization of your code or file formats.

5 Results

- Main quantitative findings: How well did your system perform at the task according to official metrics? How does it rank in the competition?

- Quantitative analysis: Ablations or other comparisons of different design decisions to better understand what works best. Indicate which data split is used for the analyses (e.g. in table captions). If you modify your system subsequent to the official submission, clearly indicate which results are from the modified system.

- Error analysis: Look at some of your system predictions to get a feel for the kinds of mistakes it makes. If appropriate to the task, consider including a confusion matrix or other analysis of error subtypes—you may need to manually tag a small sample for this.

For this specific task, we prepared a table with your submitted results: `https://github.com/touche-webis-de/touche-code/tree/main/semeval23/human-value-detection/participant-tables`. You can input this table and modify it as you see fit. You can include new submissions: when you make new submissions in TIRA, tell us and we will unblind them for you. In this case, please mark them with a * in the table (as described in the caption). If you want to include other overview metrics, please tell us and we may be able to provide them.

6 Conclusion

A few summary sentences about your system, results, and ideas for future work.

7 Acknowledgments

Anyone you wish to thank who is not an author, which may include grants and anonymous reviewers.

References

Maik Fröbe, Matti Wiegmann, Nikolay Kolyada, Bastian Grahm, Theresa Elstner, Frank Loebe, Matthias Hagen, Benno Stein, and Martin Potthast. 2023. Continuous Integration for Reproducible Shared Tasks with TIRA.io. In *Advances in Information Retrieval. 45th European Conference on IR Research (ECIR*

2023), Lecture Notes in Computer Science, Berlin Heidelberg New York. Springer.

Johannes Kiesel, Milad Alshomary, Nicolas Handke, Xiaoni Cai, Henning Wachsmuth, and Benno Stein. 2022. Identifying the Human Values behind Arguments. In *60th Annual Meeting of the Association for Computational Linguistics (ACL 2022)*, pages 4459–4471. Association for Computational Linguistics.

Johannes Kiesel, Milad Alshomary, Nailia Mirzakhmedova, Maximilian Heinrich, Nicolas Handke, Henning Wachsmuth, and Benno Stein. 2023. Semeval-2023 task 4: Identification of human values behind arguments. In *17th International Workshop on Semantic Evaluation (SemEval-2023)*.

Nailia Mirzakhmedova, Johannes Kiesel, Milad Alshomary, Maximilian Heinrich, Nicolas Handke, Xiaoni Cai, Barriere Valentin, Doratossadat Dastgheib, Omid Ghahroodi, Mohammad Ali Sadraei, Ehsaneddin Asgari, Lea Kawaletz, Henning Wachsmuth, and Benno Stein. 2023. The Touché23-ValueEval Dataset for Identifying Human Values behind Arguments. *CoRR*, abs/2301.13771.

A Appendix

Any low-level implementation details—rules and pre-/post-processing steps, features, hyperparameters, etc.—that would help the reader to replicate your system and experiments, but are not necessary to understand major design points of the system and experiments. Any figures or results that aren't crucial to the main points in your paper but might help an interested reader delve deeper.

If you feel like it, you might here show a picture of the person you chose for your TIRA code name and say a few words of who they are and what inspired you to pick their name from the list.