Semantic Web Technology – Assignment 1

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Abstract

In this report, we take a closer look at two systems designed for the task of named entity linking. We use different English corpora to evaluate the performance of both systems and to determine if they perform well or not.

1 Introduction

The template is structured along the lines of a research paper, and you can fill each appropriate section with the relevant information. The idea is that you get used to using the standard format adopted in research to report on experiments. At times this might feel a little stretched in the context of homework and the exercises you are asked to complete, but give it a try. Also, don't get too hung up about what should go where: try make decisions, and we will give you feedback. Finally, for specific assignments you might want to implement some modifications to the template (for example in case you don't have a separate test set, or you might want to have a more general "Experiments" section in case you have to run more than one, and stuff like that). Feel free to do so, as long as you maintain some proper structure which is appropriate for a research paper. Additional questions can be answered in the final section.

2 Related Work

For the reports you probably don't need this, but in case you want to mention some background or motivate some choices that you made based on the existing literature, this is the place to do it. Remember that you can always cite other works via the \cite{} command, by including entries in your .bib file.

3 Data

Here you will report on what data you used. Examples questions you might want to bear in mind when describing your data: How much is it? How is it distributed? Is it preprocessed? Did you add any further preprocessing? Where did it come from? Is it annotated? Do you know anything about inter-annotator agreement?

4 Method/Approach

Here you will report on the method(s) you chose to run your experiments. Also evaluation methods can go here. Any settings you used also can be described here. Do you have a separate dev set? Do you use cross-validation? What features are you using?

5 Results

Your final results on test data. You can also include here some results on development, of course, but you should keep them clearly separate from results on test data. Results on development are useful to tune your system, so they better go in Method. But for comparison you might want to report your best dev results also in this section. It can happen that for some assignments you have no separate test set, so this section in case can be merged with the previous one.

6 Discussion/Conclusion

What observations can you glean from the results? In the context of the course, you can really use this space not only to discuss the actual results with your own observations, but also to add some reflections on what you had to do, strategies you adopted, what you could do differently, and so on.

7 Answers to additional questions

If something doesn't fit in the above, or if there are additional, more general questions in the assignment that are not directly answered in the previous sections, you can use this space for them.