Instructions final research project

2022-01-20

For the final project, you work in groups of three or four students. The goal of the final project is to carry out your own research using the methods we discussed in the first six weeks of this course and write a research article about it.

You are free to choose your own research question. However, the question should be generally guided towards advancing our understanding of culture and/or cultural objects. For example, if you are interested in applying the machine learning techniques we discussed in this course, the goal should not be to train the best possible classifier, but to *use* the classifier to understand the objects you classify better.

You can use the corpora we used during the lab sessions (including the full version of the Reddit corpus from exercise 1.2), but you are also free to gather your own collection of text/images/videos.

With your group, you write a research paper with a minimum of 10 and maximum of 15 pages (including references, tables, visualizations, appendices). For inspiration on relevant questions, or on how to shape your article, you can take a look at Computational Humanities Research conference.

Your paper should be structured as follows:

- **Abstract**

- **Introduction**: motivation and context, literature overview, research question

- **Data**: data exploration, data preperation

- **Methods**: motivated selection of methods, motivated settings (e.g. number of topics, pre-processing) for selected methods

- **Results**: analysis of the results

- **Conclusion and discucssion**: answering the RQ, describe implications for the field

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Stylistic guidelines

Your document should be formatted in the following way:

- Font: Times New Roman, 12 pts.

- Line spacing: 1.0

- Standard page margins: 2.5 cm

- Text divided into Arabic numbered sections

- Hard return for new paragraph; paragraphs indented using tabs

- Citation style: IEEE style reference (For example: The article by Jurafsky [11])

If you prefer to write your document in LaTeX, you have to use the CHR 2021 LaTeX template.

Assessment

Your paper will be graded on the following aspects:

- Research question: the research question is clear and relevant.

- Originality: you present new insights; you have chosen an original approach.

- Framework: you have embedded your research within relevant secondary literature; you clearly show how your research relates to previously published research

- Data: the data is suitable to answer the RQ; the paper reflects on the possible shortcomings/biases in the data; the data collection process is described accurately

- Methodology: the computational methods you employ are well suited to answer the research question; the methodological choices you made are thoroughly documented and explained; you actively reflect on the advantages and disadvantages of the method you proposed

- Results/conclusion: the results are interpreted carefully and accurately

- Structure and lay-out: the article is well structured and organized; the visualizations/tables are clear, complete and meaningful; the paper adheres to the guidelines.