Project Assignment

Your final grade for Advanced NLP will be based on a project assignment (pass/fail for participants taking the course as part of the CAS Deep Learning and graded for participants taking the course as specialization module). The project is about topic classification of german news articles ([dataset](#) and [code](#) on how to access the data). The project assignment can be done in teams of two people. In this case both team members receive the same grade.

Content and Scope

Your project should include steps like cleaning and improving your data and applying an exploratory data analysis on your text in order to get a better understanding of its main characteristics. We expect that you train a base model, evaluate (with appropriate metrics) and improve its performance (e.g. through better/more data, better modeling approach and/ or hyperparameter tuning). Your project should also include the training, evaluation and improvement of advanced models which were introduced in class (i.e. apply what you learnt in class). You are free to use the Jupyter Notebooks provided in class as the basis for your work.

You are free to choose one of following structure for your submission:
- Jupyter Notebooks with working/reproducible code and notebook documentation describing your findings/decisions/conclusions etc. (i.e. readers should be guided through your process of thoughts, the individual steps of your code and should be able to understand what you try to accomplish and why you perform these steps)
- a project with working/reproducible code and an accompanying document describing your project and your findings/decisions/conclusions etc. (i.e. the document should enable readers to understand the goal of the project, how you tried to accomplished this goal and the individual steps you took to get to the final solution)

Submission

On the course platform (i.e. Microsoft Teams) in the course folder Projectassignment/Nachname_Vorname as a ZIP file that contains all relevant documents.

Deadline

Mo. 27. November 2023 at 08:00