Heinrich-Heine-Universität Düsseldorf
Computational Cell Biology
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Applications of Transformer Networks in Bio- and Cheminformatics

Worksheet 8

Submission Deadline:	17. June 2024, 09:00 am
Discussion of solutions:	18. and 19. June 2024

Submission Instructions:

- Submit your solutions by uploading a single file to https://uni-duesseldorf.sciebo. de/s/hCt1rTP23EeWmUC. The uploaded file should have the following filename: "lastname_studentID_worksheet8".

- **Please note that the submission deadline is already on Monday at 09:00 am (17th June).**

Excercise 8.1   *Planning of research project*   (100 Points)

The purpose of this worksheet is to develop a detailed plan for your research project. Answer the questions in the Word document *worksheet8_questions.docx* provided in the Github repository at *DL4Molecules_Course/tree/main/Worksheets*. Not all questions may be equally relevant to your project. Answer each question to the extent that it is relevant to your project.

Provide your answers to the questions in the Word document. Provide a Jupyter notebook showing that you have installed the libraries and loaded the datasets. Include both files in your submission.

Excercise 8.2   *Meeting*   (0 Points)

Schedule a meeting with me to discuss the project plan by selecting a date from the link below:

https://docs.google.com/document/d/1lVtdqe52wnhS1a3whTiB8KSbE5TRvUZqgWI3Wse9DLc/edit?usp=sharing

Excercise 8.3   *Use of LLMs*   (0 Points)

State for which exercise you have used LLMs (large language models) such as ChatGPT or GitHub Copilot. State which tools you have used and for which steps. This answer does not influence how many points you receive for your submission.