

Applications of Transformer Networks in Bio- and Cheminformatics

Worksheet 9

Submission Deadline:	08. July 2024, 11:59 pm
Discussion of solutions:	-

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_worksheet9".

Exercise 9.1 *Execution of research project* (300 Points)

Execute what you have described/determined in your research plan on Worksheet 8. Of course, you can make adjustments if necessary, for example, if you find that things aren't working as planned.

- (a) Provide the code and information about the code:
 - (i) Provide your code and any output from the executed code.
 - (ii) Provide an additional file describing all parts of your code, i.e., describe which part of your code is responsible for what. In addition, briefly describe the output generated by the files in (a)(i).
 - (iii) On what computational resources did you run the code, and how long did it take?
- (b) Describe how you evaluated the results of your project. What do the results show with respect to the original research question? What conclusions can you draw from the results?
- (c) What part of the project worked as planned/anticipated? What part of the project did not work as planned?

Exercise 9.2 *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.