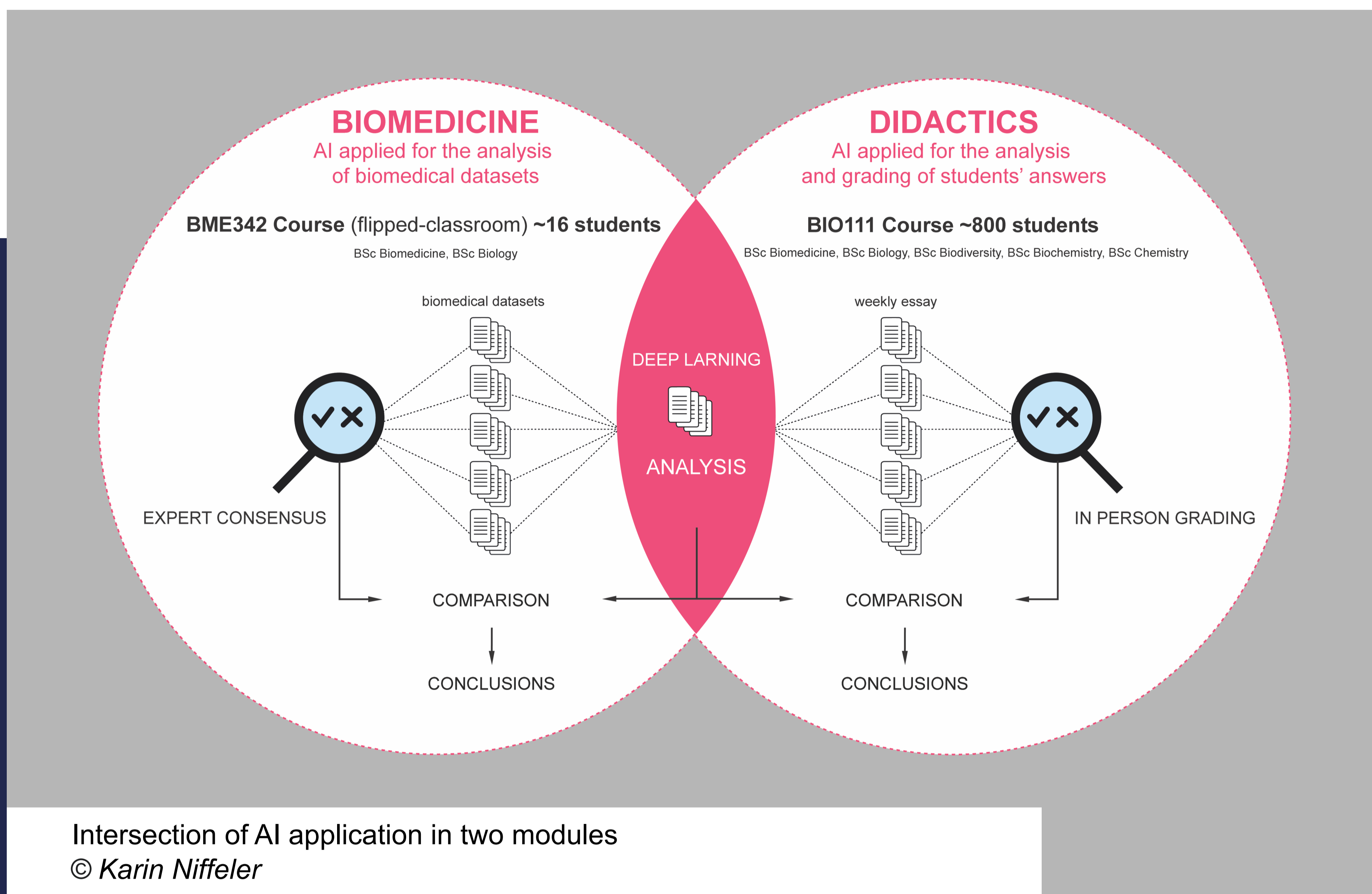


Deep Learning in Biomedicine

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Innovative because...

our project explores the possibilities in biomedicine and beyond by applying similar deep learning methods in educational contexts.

Sustainable because...

the AI-techniques used for correction and the online course on deep learning that we will develop, are scalable and reusable in other fields of study.

Idea

Deep learning is a type of artificial intelligence (AI) that deals with large amounts of data. We aim to apply similar deep learning techniques to identify patterns in the text answers of first-semester students, as well as in large biomedical scientific datasets, alongside advanced students.

Goals

Students:

- develop critical thinking abilities concerning the usage of AI.
- gain a deeper understanding of the AI-concepts.
- learn to interpret the results of deep learning experiments.

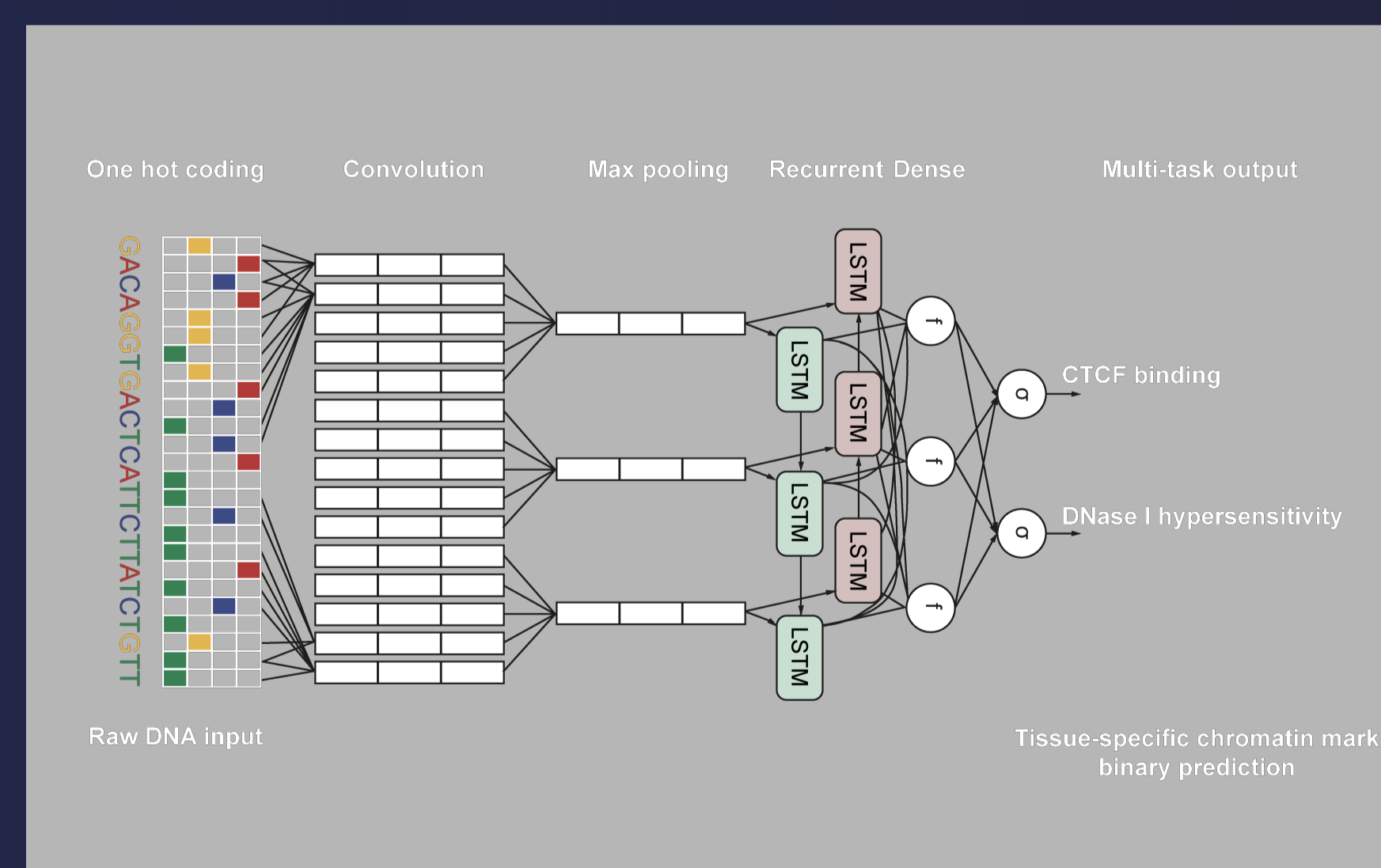
Lecturers:

- gain insight into the transformative impact of AI on learning.
- utilize deep learning methods for correction and analysis.
- design a blended online course on deep learning.

Greatest challenge

Essay evaluation with AI could result in an incomplete assessment. It is crucial to strike a balance between the benefits of using AI and the necessity of human involvement in the grading process.

Deep learning and neural networks are complex subjects. To tackle this, we offer comprehensive blended learning units, practical examples, and hands-on exercises. This gradual approach allows us to introduce the concepts effectively and ensure that students establish a strong foundation.



Analysis of genomic data
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A project supported by the
funding line open_innovation

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