ADAI course portfolio

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Individual repository:

https://github.com/Razvan-Marian-Budurovici/ADAI-individual-repository-2025

Group repository:

https://github.com/FontysVenlo/grouprepository-group-2

Learning goal I

Bloom level: Create

Evaluate machine learning and neural network concepts, focusing on their working, their applications and limitations, and their application in real-world cases based on the Data Science Methodology, with a focus on ANNs, deep learning and CNNs

Learning goal II

Bloom level: Evaluate

Apply and evaluate annotation strategies, with and without machine learning techniques, emphasising the importance of accurate data labelling for training models, using annotation tools and guidelines, leading to better data quality and consistency, avoiding bias.

Learning goal III

Bloom level: Create

Evaluate Large Language Model concepts, focusing on their working, their applications and limitations, and their application in real-world cases based on the Data Science Methodology, taking ethical considerations into account.

Learning goal IV

Bloom level: Evaluate

Evaluate transfer learning principles and their importance for improving model performance with limited data, working on projects that use pre-trained models and datasets, leading to practical methods and positive feedback on their work.

Learning goal V

Bloom level: Create

Show adequate professional skills (future-oriented organisation, investigative ability, personal leadership and targeted interaction according to HBO-i) in assessing your current level, personal development on learning outcomes and professional behaviour, and working together in a group.