Module title			Abbreviation
Artificial Intelligence and Data Science Lab 1			10-I-KIDS-Lab1-232-m01
Module coordinator		**Module offered by**	
Dean of Studies Informatik (Computer Science)		Institute of Computer Science	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
10	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

Artificial Intelligence and Data Science Lab 1 provides knowledge of the most important steps and tools for the design and development of an AI application. In theoretical or practical form, knowledge such as common techniques and libraries of data handling and processing. Concepts, planning, drafting, design, creation, evaluation and refinement of an application prototype are learned in group work. Lectures cover the basic scientific issues of artificial intelligence and data science as well as current design and solution approaches.

Intended learning outcomes

At the end of Lab 1, students will be able to work through the entire development process of an AI application. They have in-depth knowledge in the following areas: Design, design decisions, development and scientific evaluation of AI applications.

Courses (type, number of weekly contact hours, language — if other than German)

R (6)
Module taught in: German and/or English

Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

presentation of project results (30 to 45 minutes)
Language of assessment: German or English
creditable for bonus

Allocation of places

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Additional information

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Workload

300 h

Teaching cycle

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Referred to in LPO I (examination regulations for teaching-degree programmes)

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Module appears in

Bachelor' degree (1 major) Artificial Intelligence and Data Science (2023)
Bachelor' degree (1 major) Artificial Intelligence and Data Science (2024)