Course title: Artificial Intelligence for Good

Hours per week (SWS): 2

Number of ECTS credits: 2

Course objective: Students can explain what AI is. They are able to identify serious social or ecological economic challenges. Teams can use certain innovation methodologies to develop AI-based solutions for a better, fairer world – i.e. to use resources more economically. They learn to work in interdisciplinary teams to pitch their ideas and to defend their ideas – i.e. to argue conclusively.

Prerequisites


Teaching methods: Teamwork, lectures, presentations, coaching, discussions.

Assessment methods: Teamwork, lectures, presentations, coaching, discussions.

Language of instruction: English

Name of lecturer: Prof. Dr. Daniel Ittstein

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Link

Course content: Artificial Intelligence (AI), sometimes called machine intelligence, is intelligence demonstrated by machines, in contrast to the natural intelligence displayed by humans. Colloquially, the term "artificial intelligence" is often used to describe machines (or computers) that mimic "cognitive" functions that humans associate with the human mind, such as "learning" and "problem solving". In this course students will use concepts AI to establish solutions for a better, fairer world. Central idea is to use resources better – i.e. economically. Students take a social and ecological economics perspective to create scalable, innovative AI-based solutions to change the world for good. Teams will work in their pace and mostly independently to ideate, validate, model, calculate, and sell their idea.

Remarks