

Modulbeschreibung

MGT001354: Artificial Intelligence for Innovation and Entrepreneurship

Lehrstuhl für Entrepreneurship (Prof. Patzelt)

Modulniveau: Master	Sprache: Englisch	Semesterdauer: Einsemestrig	Häufigkeit: Wintersemester
Credits*: 3	Gesamtstunden: 90	Eigenstudiumsstunden: 60	Präsenzstunden: 30

* Die Zahl der Credits kann in Einzelfällen studiengangsspezifisch variieren. Es gilt der im Transcript of Records oder Leistungsnachweis ausgewiesene Wert.

Beschreibung der Studien-/Prüfungsleistungen:

The module grade is based on a group presentation. During the seminar, students will ideate their own AI use cases, and assess them in terms of value and ease of implementation. In a group they will prioritize one use case and work on the implementation along the machine learning lifecycle taking into account ethical considerations. The group work has to be presented in the seminar and ends with a written report.

Wiederholungsmöglichkeit:

Im Folgesemester: Nein
Am Semesterende: Ja

(Empfohlene) Voraussetzungen:

keine Angabe

Angestrebte Lernergebnisse:

Students gain understanding of the state of the art in artificial intelligence and how it is and can be applied in organizations and startups. Students will develop a solid and jargon free understanding of the technology and concepts such as AI, machine learning and which opportunities and challenges it brings to organisations and society. Students gain the ability to ideate and assess their own AI use cases and learn what it takes to implement them bring them into production

Inhalt:

Artificial intelligence (AI) holds tremendous promise to benefit nearly all aspects of our society, including the economy, healthcare, security, the law, transportation, even technology itself. For organizations as well as for entrepreneurs there is no way around this technology, if they want to be and stay competitive. This module covers:

- Introduction to AI, algorithms, and machine learning
- The technology behind AI
- AI for innovation and entrepreneurship
- Ideating, assessing, prioritizing AI use cases
- Introduction to MLOps and building AI along the machine learning lifecycle
- Ethics and human centric design

Lehr- und Lernmethode:

The module is taught as a 2 SWS seminar. New concepts will be presented as lecture and then applied in group work in exercises which prepare students for the group presentation. To build bridges between course work and self-studying blended learning is applied.

Medienformen:

Whiteboard, Slides, Code-Examples, Textbook, journal articles and papers

Literatur:

will be announced in the lectures

Modulverantwortliche(r):

Patzelt, Holger; Prof. Dr. rer. pol.: patzelt@tum.de

Lehrveranstaltungen (Lehrform, SWS) Dozent(in):

Weitere Informationen zum Modul und seiner Zuordnung zum Curriculum:

<https://campus.tum.de/tumonline/wbModHb.wbShowMHBReadOnly?pKnotenNr=3253414>

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