



Human-AI Interaction in Supply Chain Management

(Bachelor Seminar, Winter Semester, 2024-2025)

Course Description

Artificial intelligence (AI) represents the pinnacle of technological innovation, mimicking human cognitive functions to analyze vast datasets, extract insights, and make autonomous decisions. Its applications span diverse domains, from healthcare and finance to transportation and entertainment, revolutionizing industries and reshaping the way we interact with technology.

Adopting AI in the supply chains yields benefits such as enabling predictive analytics, optimizing inventory management, and enhancing decision-making processes. As AI evolves across different industries, grasping the dynamics of human-AI interaction becomes essential for ensuring proficient decision-making and operational efficiency.

This seminar digs into the area of human-AI interaction in supply chain management. Through a combination of readings, discussions, presentations, and written assignments, students will engage with seminal literature in the field, critically analyze research findings, and develop insights into the role of AI in shaping modern supply chains.

Course Administration

Faculty

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Grading

The grading of the seminar is based on a mid-term presentation, supplemented by written slides, discussion on selected article(s), and a concluding seminal report. The breakdown of the final grade is as follows:

- Group presentation: 40%
- Comments on selected article: 10%
- Individual seminar report (in written form): 50%

Deadlines

Registration for exam: **TBA via KLIPS.**

Language

The seminar is taught in English.

Prerequisites

Interest in human-AI interaction and supply chain management
Knowledge of fundamental models in supply chain management

Registration

Application to this course is possible via KLIPS only. The number of participants is restricted.



Course overview

After registration, students will be divided into groups of 2-3. Group arrangement and the allocated literature will be announced in the kick-off session.

Each group will be allocated with an article for presentation and another article for comments/discussion.

Key points for reading and presenting academic articles will be introduced in the following session.

Group presentation sessions include 15 min presentation and 15 min discussion for each article. Slides for presentation and comments should be submitted as a group at latest one day before the session.

Through understanding the important insights of the selected seminal literature, students are required to further develop their research idea(s). Related guidelines will be provided.

In the end of the seminar, students are required to submit structured individual seminar reports (max. 5 pages) on the article they present and the one they comment, as well as their research idea(s) developed based on the article in this seminar. Seminar report should be submitted at latest on the exam date in KLIPS.