Lehrveranstaltungen im Wintersemester 2012/2013

Information Systems and Machine Learning Lab (ISMLL)

Prof. Dr. Dr. Lars Schmidt-Thieme

Übersicht

Vorlesungen

Seminare

Praktika

Vorlesungen

Wirtschaftsinformatik 1
Studiengang: BSc WI (Pflichtmodul)
Wann: Mi 18.00 bis 20.00, **ab 24.10.2012**
Wo: B26
Wer: Lars Schmidt-Thieme
Credits: 3

Wirtschaftsinformatik 3
Studiengang: BSc WI (Pflichtmodul)
Wann: Fr. 10.00 bis 12.00
Wo: B26
Wer: Lehrauftrag
Übung: Fr. 14.00 bis 16.00 in Raum B26 (Lehrauftrag)
Credits: 6

Vorlesungen

Künstliche Intelligenz
Studiengang: BSc WI & IMIT
(Wahlmodul *Grundlagen der Künstlichen Intelligenz*)
Wann: Di. 08.00 bis 10.00, Mi. 08.00 bis 10.00, **ab 23.10.2012**
Wo: B26
Wer: Lars Schmidt-Thieme
Übung: Mo. 10.00 bis 12.00 in Raum B26 (Ruth Janning)
Credits: 8

Maschinelles Lernen
Studiengang: MSc WI & IMIT (Wahlmodul *Maschinelles Lernen*)
Wann: Di. 10.00 bis 12.00, Mi. 10.00 bis 12.00, **ab 23.10.2012**
Wo: B26
Wer: Lars Schmidt-Thieme
Übung: Do. 16.00 bis 18.00 in Raum B26 (Umer Khan)
Credits: 8

Übersicht

Vorlesungen

Seminare

Praktika

Bachelor-Seminar: Künstliche Intelligenz und Maschinelles Lernen:
Intelligent Tutoring Systems
Studiengang: BSc WI & IMIT (Gebiet KI & ML)
Wann: Mi. 14.00 bis 16.00
Wo: B26
Wer: Lars Schmidt-Thieme, Neelava Sengupta
Credits: 3

Master-Seminar: Künstliche Intelligenz und Maschinelles Lernen:
Intelligent Transportation Systems
Studiengang: MSc WI & IMIT (Gebiet KI & ML)
Wann: Do. 14.00 bis 16.00
Wo: B26
Wer: Lars Schmidt-Thieme, Josif Grabocka
Credits: 3

Master-Seminar: Business Intelligence: Recommender Systems
Studiengang: MSc WI (Gebiet BI)
Wann: Do. 10.00 bis 12.00
Wo: B26
Wer: Lars Schmidt-Thieme, Rasoul Karimi
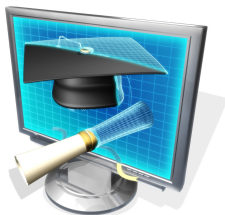**Credits:** 3

Oberseminar ML und Data Mining
Studiengang: BSc / MSc WI & IMIT (Gebiet KI & ML)
Wann: Di. 18.00 bis 20.00
Credits: 3

BSc-Seminar: KI & ML: Intelligent Tutoring Systems

- ▶ Intelligent Tutoring Systems are computer programs that are designed to incorporate techniques from the AI community in order to provide tutors which know what they teach,who they teach and how they teach.
- ▶ In this seminar, we study how machine learning and AI techniques are used in this problem.

Master-Seminar: KI & ML:
Intelligent Transportation Systems

- ▶ Intelligent Transport Systems (ITS) are advanced applications which aim to provide innovative services relating to different modes of transport and traffic management and make safer, more coordinated, and smarter use of transport networks.
- ▶ In this seminar, we study how machine learning techniques are used in this problem.

Master-Seminar: Business Intelligence:
Recommender Systems

- ▶ Recommender systems are dynamic adaptive systems for personalization that help users to chose between alternatives and to find items they are interested in by learning their preferences from collective past user behavior.

- ▶ In this seminar, we study the new-user problem in recommender systems.

Master-Seminar: Business Intelligence:
Recommender Systems

Papers:

- ▶ A. M. Rashid, G. Karypis, and J. Riedl. Learning Preferences of New Users in Recommender Systems: An Information Theoretic Approach. SIGKDD Workshop on Web Mining and Web Usage Analysis,2008
- ▶ N. Golbandi, Y. Koren, and R. Lempel. Adaptive bootstrapping of recommender systems using decision trees. 2011.
- ▶ K. Zhou, S.-H. Yang, and H. Zha. Functional matrix factorizations for cold-start recommendation. In Proceedings of the 34th international ACM SIGIR conference on Research and development in Information Retrieval, SIGIR , 2011.

Übersicht

Vorlesungen

Seminare

Praktika

Praktika

Bachelor-Praktikum:
Business Intelligence, Business Analytics und XML
Studiengang: BSc WI & IMIT (Gebiet KI & ML)
Wann: Mo. 14.00 bis 18.00
Wo: B26
Wer: Andre Busche
Credits: 4

Master-Praktikum:
Business Intelligence, Business Analytics und XML
Studiengang: MSc WI & IMIT (Gebiet KI & ML)
Wann: Mo. 14.00 bis 18.00
Wo: B26
Wer: Andre Busche
Credits: 4

BSc / MSc Praktikum:
Business Intelligence, Business Analytics und XML

Topics are offered for each course being held in summer 2012, one is prepared for each of those:

- (BI:) OLAP processing in Jaspersoft
- (BA:) Infering by Recommending: Can we learn URL Content Updating Times
- (XML:) Semantic Task List

Alternative topics possible upon request