

Presentation of Team Projects (Preview)

Fall 2019

September 4th, 2019, 13:45 | B 6,30-32 Room 108

| Time | Topic |
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| 13:45 | Introduction |
| 13:50 | <p>Title: Integrating Product Specifications from the Web Responsible person: Anna Primpeli, Prof. Dr. Christian Bizer Language: English Duration: 1 semester Min/max number of participants: 8 Prerequisites: Java or Python Programming, Data Mining I, Web Data Integration Applicable to MMDS: yes</p> |
| 13:55 | <p>Title: A Knowledge Graph for International Tax Regulations Responsible person: Prof. Dr. Heiko Paulheim Language: English Duration: 1 semester Min/max number of participants: 4 Prerequisites: <ul style="list-style-type: none"> - Data Mining 1 - Semantic Web technologies or Web Mining or Text Analytics Applicable to MMDS: yes</p> |
| 14:00 | <p>Title: Analysis of Scientific Collaborations for the University of Mannheim Responsible person: Prof. Dr. Heiko Paulheim Language: English Duration: 1 semester Min/max number of participants: 4 Prerequisites: <ul style="list-style-type: none"> - Data Mining 1 - Semantic Web technologies or Web Mining or Text Analytics Applicable to MMDS: yes</p> |
| 14:05 | <p>Title: Developing bots for improving Wikipedia Responsible person: Prof. Dr. Heiko Paulheim Language: English Duration: 1 semester Min/max number of participants: 4 Prerequisites: <ul style="list-style-type: none"> - Data Mining 1 - Semantic Web technologies or Web Mining or Text Analytics Applicable to MMDS: yes</p> |
| 14:10 | <p>Title: PuppetMaster: Count and predict wristband sensors for minimizing waiting times at festivals Responsible person: Michael Pernpeintner, Fabian Burzlaff, Dr. Christian Bartelt (Institute for Enterprise Systems) Language: Deutsch / English Duration: 1 semester Min/max number of participants: 3-5</p> |

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| | <p>Prerequisites: Knowledge of basic machine learning algorithms, Skills in Python and / or Java, Experience with a Gift-based Workflow</p> <p>Applicable to MMDS: yes</p> |
| 14:15 | <p>Title: Automatic evaluation of agile projects</p> <p>Responsible person: Noah Metzger (Institute of Enterprise Systems)</p> <p>Language: English</p> <p>Duration: 1 semester</p> <p>Min/max number of participants: 2-4</p> <p>Prerequisites: Data Mining, NLP, Machine Learning</p> <p>Applicable to MMDS: yes</p> |
| 14:20 | <p>Title: Development of a mobile health application for physical activity</p> <p>Responsible person: Monica Fallon (Chair of Prof. Heinzl)</p> <p>Language: English</p> <p>Duration: 1 semester</p> <p>Min/max number of participants: 4-6</p> <p>Prerequisites:</p> <p>This project involves developing and designing a mobile health application for physical activity. Students should have extensive programming skills and experience with developing mobile apps (e.g. Android (Java, Kotlin), iOS (Swift)). Ideally candidates should already have experience with flutter or similar frameworks, which can be used for developing native mobile applications for Android and iOS.</p> <p>Applicable to MMDS:</p> <p>This project relies extensively on developing an application. However, it also includes preparing large amounts of data that can be used for analysis. Therefore, the project could be suitable for MMDS students.</p> |
| 14:25 | <p>Title: NLP for product recommendations: Utilizing brands and product details to enhance online shopping experience</p> <p>Responsible person: Dr. Tommi Kramer (Chair of Prof. Heinzl), Alexandra Müller</p> <p>Language: Deutsch / English</p> <p>Duration: 1 semester</p> <p>Min/max number of participants: 4-6</p> <p>Prerequisites:</p> <p>At least basic knowledge of Natural Language Processing, project experience preferred</p> <p>Applicable to MMDS: strongly preferred</p> |
| 14:30 | <p>Title: Model-based Software Development for Industrie 4.0 resources planning</p> <p>Responsible person: PD Dr.-Ing. Achim Wagner (Chair of Prof. Atkinson)</p> <p>Language: English / German</p> <p>Duration: 2 semesters</p> <p>Min/max number of participants: 3-6</p> <p>Prerequisites: good programming skills in JAVA (C++ could be helpful)</p> <p>Applicable to MMDS: yes</p> |
| 14:35 | <p>Title: To what extent does academic research spur effective drug development?</p> <p>Responsible person: Prof. Dr. Marc Lerchenmüller (Assistant Prof. for Technological Innovation and Management Science), Prof. Dr. Karin Hoisl (Chair for Organization and Innovation)</p> <p>Language: English / German</p> <p>Duration: 1 semester</p> <p>Min/max number of participants: 6</p> <p>Prerequisites: knowledge in automated analysis of large datasets, Text Analytics, Data Integration, Machine Learning, good programming skills</p> <p>Applicable to MMDS: yes</p> |