Welcome to SoSe 2021

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AG Data Management

Routing in road networks

Location-based Social Networks

Data de-duplication

Modern Hardware and the Cloud

“bridge”
Datenbanken I

• Vorlesung
  – Panopto pre-recorded videos
  – Live chat on Tuesdays, 14:00 – 16:00

• Übung
  – Deepen your understanding, gain practical experience
  – Weekly exercises (handins assignments) and quizzes
  – Live meeting and chatting on Microsoft Teams
  – Appointments to be determined

• Unterrichtssprache
  – English & German (tutorials)

• Studiengang
  – B. Sc. / M. Ed.

• Website
  – https://lms.uni-mainz.de/moodle/course/view.php?id=42275
Datenbanken I

• Course objectives
  – Effective and efficient management of data
  – Databases as part of modern information systems
  – Learn how to model and develop effective database systems
  – SQL for working with databases
  – Applications from various areas, including the web
  – Apply in your future work

Development: analysis, conceptual model

Databases: entity-relationship model, relational model, SQL, ...

Applications: standalone, internet and the web, ...
Datenbanken II - Seminar

• **Termin**
  – Live meeting and chatting on Microsoft Teams
  – TBD

• **Inhalte**
  – Advanced topics on data management
  – How to critically read and review research literature
  – How to write a report on research literature
  – How to present research literature

• **Unterrichtssprache**
  – English

• **Studiengang**
  – B. Sc. / M. Ed.

• **Website**
  – [https://lms.uni-mainz.de/moodle/course/view.php?id=44018](https://lms.uni-mainz.de/moodle/course/view.php?id=44018)
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For more information about the group, visit
https://datamanagement.cs.uni-mainz.de