Formal Concept Analysis Welcome and Organizational Issues

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Agenda

Organization

Overview

Organization

Lectures and Exercises

lecture Wednesday, 16:40 – 18:10, room APB E005

hands-on exercise Wednesday, 9:20 - 10:50, room APB E005

Course Web Page

https://goo.gl/HXND7e

Contact

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Organization

hands-on exercise means

- autonomous work on the practice sheet in small teams of 3-4 students, under supervision
- no general repetition of lecture material
- no demonstration of the sample solution (will be provided later)

necessary for that is

- making notes during the lecture
- performing autonomous follow-up course work before the exercise
- bringing material and your notes to the exercise
- developing own activity

Organization

Why this exercise concept?

- active development of the lecture material is more effective
- discovering relationships in the material
- learning structured thinking and autonomous working
- learning team work
- learning to explain things
- exercise for the exams ;-)
- You have finished your study of ... Your personal strengths include pro-activity and team work, you are communicative and willing to cooperate. (typical job advertisement)

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- I Contexts, Concepts, and Concept Lattices
 - Concept Lattices
 - Multi-valued Contexts and Conceptual Scales
- II Closure Systems and Implications
 - Closure Systems
 - Implications
- III Knowledge Discovery
 - 6 Attribute Exploration
 - Rule Exploration
 - Attribute Exploration with Background Knowledge
- IV Extensions of FCA
 - Triadic Formal Concept Analysis