Formal Concept Analysis
Welcome and Organizational Issues

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Agenda

1 Organization

2 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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Organization

I Contexts, Concepts, and Concept Lattices
   1 Concept Lattices
   2 Multi-valued Contexts and Conceptual Scales

II Closure Systems and Implications
   3 Closure Systems
   4 Implications

III Knowledge Discovery
   5 Attribute Exploration
   6 Rule Exploration
   7 Attribute Exploration with Background Knowledge

IV Extensions of FCA
   8 Triadic Formal Concept Analysis