Formal Concept Analysis
Welcome and Organizational Issues

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Organization

Lectures and Exercises
lecture Monday, 11:10 – 12:40, room APB E005
hands-on exercise Monday, 9:20 – 10:50, room APB E005

Course Web Page

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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
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)
Overview

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

IV Extensions of FCA
   6 Triadic Formal Concept Analysis