Logical Modeling

Introduction

Research Seminar, Summer Semester 2019

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https://iccl.inf.tu-dresden.de/web/Logical_Modeling_(SS2019)

April 8, 2019
Seminar Logical Modeling

Aims

What we aim for:

▶ We will focus on practical aspects of modeling application domains.
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The outcome from your perspective:

- You can determine which formalism is the “right” one for a given problem.
- You are able to model a problem from a given application domain.
- You also know how to use the provided tool support.
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- A notion of “truth”.

"Intelligent" retrieval mechanisms.

Allows structured representation of knowledge.

Any example formalism fulfilling these requirements? Or, not fulfilling?
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  ▶ “Intelligent” retrieval mechanisms.
  ▶ Allows \textit{structured representation} of knowledge.

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Theses are conditions to rightfully claim to have \textit{represented knowledge} about an application domain, rather than just \textit{stored data} occurring in this domain.

Read \textit{Logic-based Knowledge Representation}, Franz Baader, KI '96.
We will meet regularly, each Wednesday in the 4. DS.

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