



















Knowledge modeling for IT	FHBB CIM-Zentrum Muttenz
<ul> <li>Find objects</li> <li>Choose concepts or predicates</li> <li>Validate objects &amp; concepts</li> <li>What is modeled ?</li> <li>What is an object ?</li> <li>What is a concept ?</li> <li>What is a model ?</li> <li>What does a model represent?</li> <li>What do we do in modeling ?</li> <li>How do we do it ?</li> </ul>	
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ling as ,mapping' FH	BE
Knowledge as mapping	
Are ready-made	
Are evident / Informally / Invent	1
Compare them with reality	1
Reality	
A thing	
A list of attributes	
A surrogate that matches reality	
Reality	
We map reality onto concepts	
We analyse reality and extract knowledge (mining)	
	ling as ,mapping'       FH         Knowledge as mapping       Are ready-made         Are evident / Informally / Invent       Compare them with reality         Reality       A thing         A list of attributes       A surrogate that matches reality         Reality       We map reality onto concepts         We analyse reality and extract knowledge (mining)       Extract knowledge (mining)

Common daily words	FHBB CIM-Zentrum Muttenz
look at	see
listen ł	near
what we see depends on how we	e look!
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What do we do in modeling?		
Modelling tasks	Knowledge as mapping	Knowledge as constructing
Find objects	Are ready-made	We determine them tacitly
Choose concepts or predicates	Are evident / Informally / Invent	We choose according to schemata and principles
Validate objects & concepts	Compare them with reality	We compare them with other objects & concepts
What is modeled ?	Reality	Sensation and experience
What is an object ?	Athing	The unity of our synthesis
What is a concept ?	A list of attributes	A pattern of activity
What is a model ?	A surrogate that matches reality	A construction that fits (is viable in) reality
What does a model represent?	Reality	Specific experiences
What do we do in modeling ?	We map reality onto concepts	We construct generaliza- tions of experiences
How do we do it ?	We analyse reality and extract knowledge (mining)	We synthesize knowlege that is viable









































- Prototyping
- Development-Prototype
- Integrated Prototype
- Prototype in productive use
- Focus on Routine-Knowledge
- Analysis follows Modelling
- Experiments as Sources of Knowledge