Natural Language Processing
- Linguistics and Levels of Language
- Disambiguation Tasks
- Part of Speech Tagging

Pure Word Extraction
- Concepts vs. Words
- Context and Meaning
- Grammatical Tagging of Concepts
- . Grammar-Based Extraction
- . Concept Extraction Basics
- . Grammatical Concepts
- Use of Concept Extraction for Knowledge Management

Rule-Based Concept Extraction
- Concept Extraction vs. Classification
- Knowledge Sources as Rule Sets
- Uses of Rule Based Concept Extraction for Knowledge
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Rule-Based Classification
(When You Have a Scheme to Work With)
- Supervised vs. Unsupervised Methods
- Differentiation of Processes and Scheme Development
- Distinction between Classification and Indexing
- Subject Classification
- Geographical Classification
- Sentiment Classification
- Security Level and Risk Classification

Clustering aka Dynamic Categorization
- Statistical Methods Used in Clustering
- Concept of Similarity
- Selecting Variables
- Validation of Clusters

Automated Summarization
- Modeling the Human Process
- Professional Rules for Abstracting
- Frequency of Concepts Extraction
- Cue Phrases, Important or Exclusion Phrases
- Differentiation of Text Summarization and Text Generation

Text Generation
- Human Authoring Processes • Document Planning
- Content and Structures
- Text micro planing

Sentiment Analysis
- Machine Learning

Modeling a Semantic Solution
- Recommender Systems
- Machine Learning