

Competence Classes (I)

- Excerpted from empirical, political, and theoretical perspectives (see paper) ...
- Professional competence
 - basic and specialized general knowledge, basic psychomotor and mechanical skills, and disciplinary and interdisciplinary knowledge (Jäger, 2001)
- Methodological competence
- ability to independently acquire, structure, critically evaluate, and exploit knowledge in a creative way (Kauffeld et al., 2003)

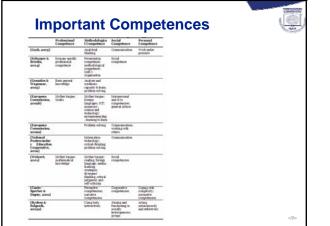
Competence Classes (II)

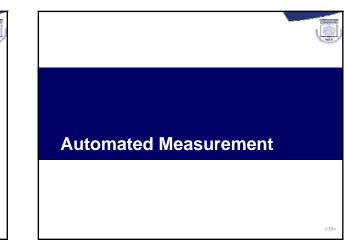
Social Competence

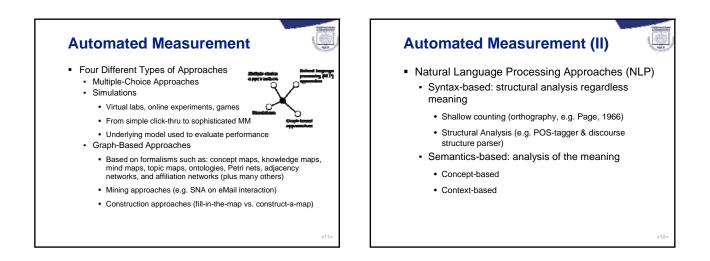
 facilitate communicative and cooperative action and that aim at identifying, managing and mastering conflicts (Erpenbeck, 2003)

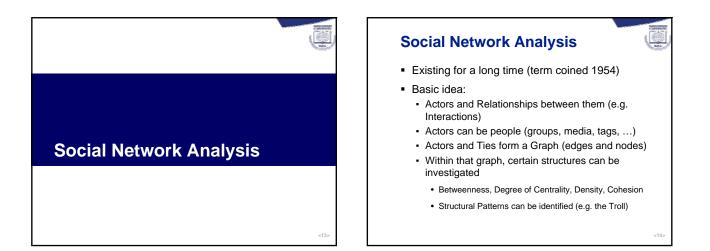
Personal Competence

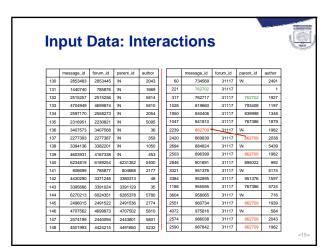
 concerned with those attitudes and character attributes required to perceive and utilize one's own competencies and to act in a reflective and self-reflective way (Erpenbeck, 2003)

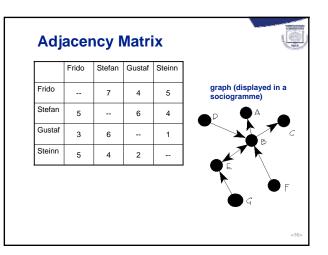


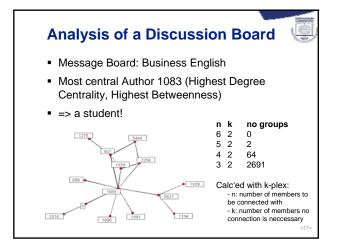


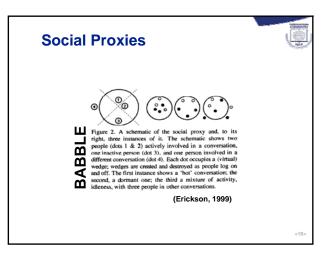


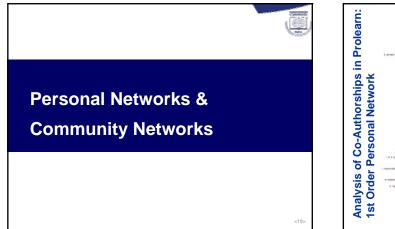


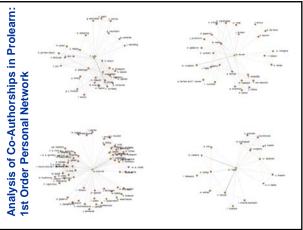


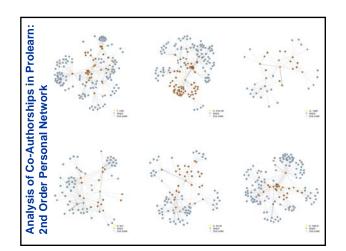


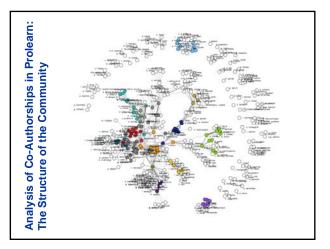


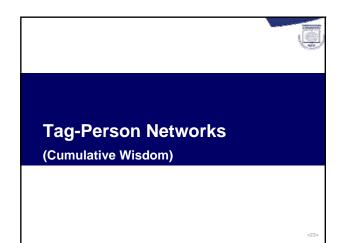


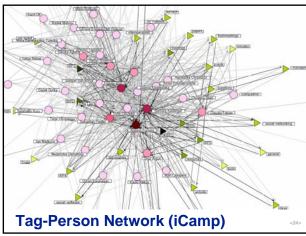


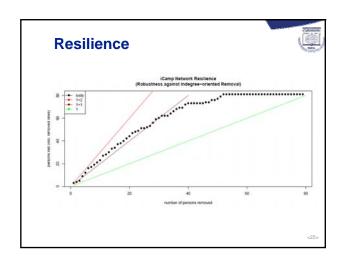


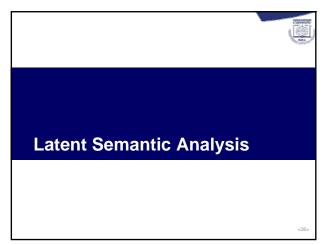


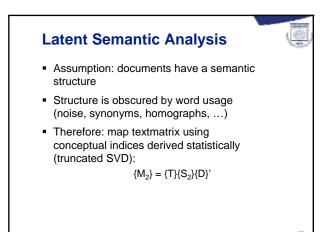


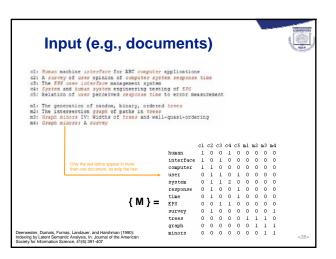


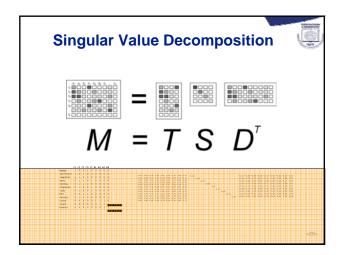


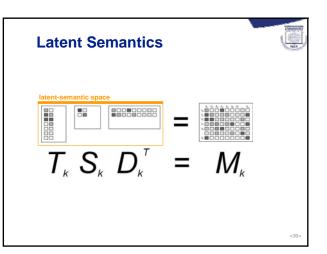


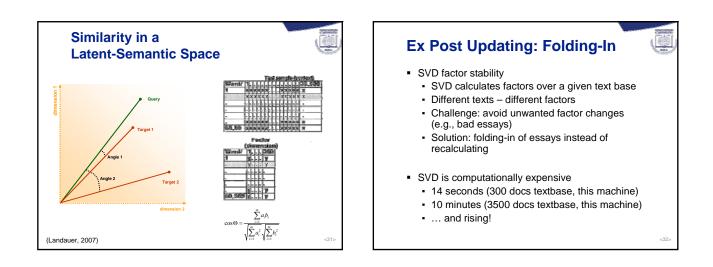


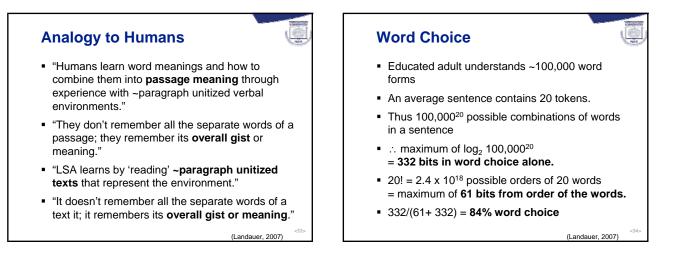


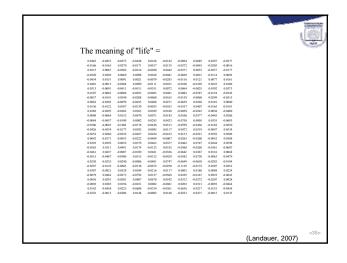


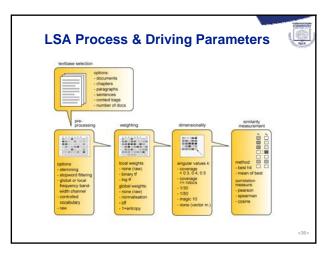


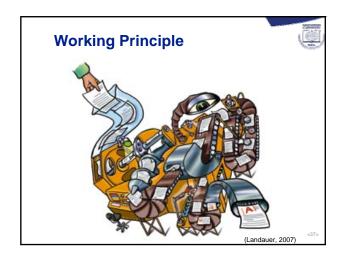


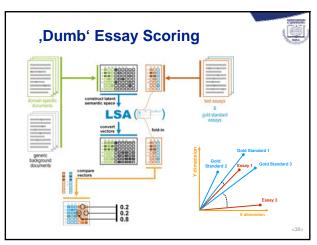


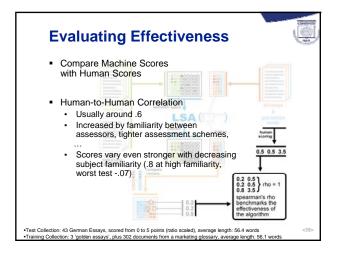


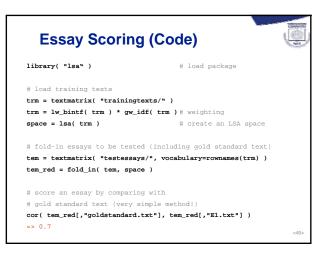


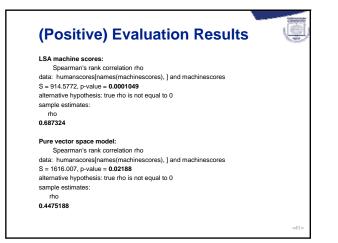


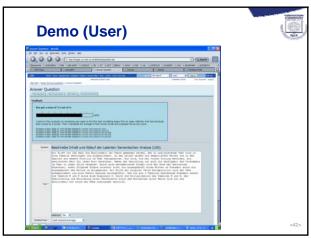




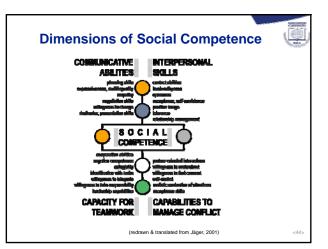


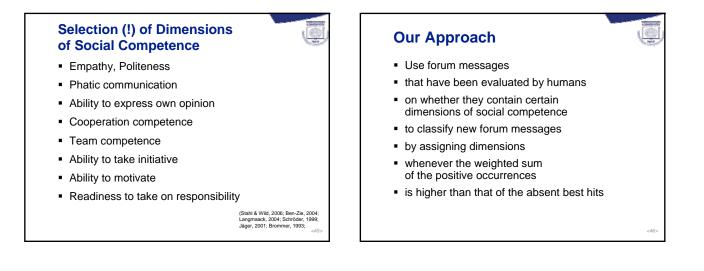












Example: Ability to motivate

- Motivate yourself and others (!)
- Examples:
 - "grossartig, dass du es noch geschafft hast!"
 ~ great that you still made it!
 - "sonst freu mich eure posts zu lesen; ihr schafft es sicher!"
 ~ furthermore, I am happy to read your posts; you will make it for sure!
 - "ich glaube ich schaff das schon."
 - ~ I think i will manage to do it.

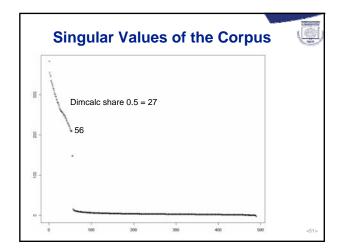
Research Design (1) 337 German contributions from students in one university seminar forum

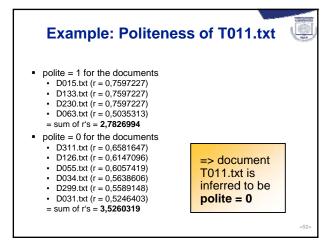
- Split into 1,012 sentences = corpus
- Coded by human assessors along ten dimensions of social competence
- (one dim dropped out with only 37 messages)
- Corpus was split into 490 training and 522 test texts
- Of the 522, 16 were omitted (no terms from the training space)

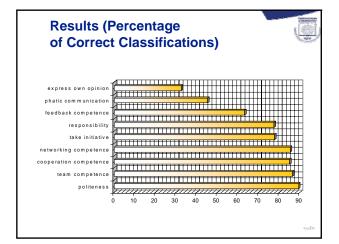
Politeness	197
Phatic communication	579
Networking Competence	113
Ability to express own opinion	156
Cooperation competence	774
Team competence	144
Ability to take initiative	207
Ability to motivate others	074
Readiness to take on responsibility	215
Feedback competence	362

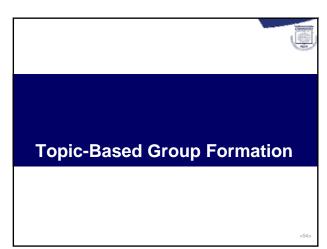
Research Design (2)

- Space over 490 training docs calculated (dimcalc share 0.5, no stemming & no stopping, minDocFreq = 1, minWL = 0)
- Each of the 506 folded into the space
- Pearson's r to compare against all training documents
- For each doc, 10 highest correlating docs were selected
- Sum up correlations of
- ,positive' and ,negative' docs
- If cor sum of positives is higher, it will be assumed that the doc indicates this dimension









Group Formation

- Standard task in the trials
- Important e-tivity
- Several options, how to structure:
 - Based-on similarities (e.g. ProLearn Summer School)
 - Based-on specialisation (mixed teams)
- Usually: assignment by hand
- Alternative: assignment with LSA

Topic-Based Group Formation

- Input documents:
 - Self-Description (CV, Abstract, Paper)Cluster Descriptions
- Measure LSA-Similarity between Cluster and self-description document (cf. Wild, 2006)
- Take average of all self-descriptions
- Take best-matching cluster as recommendation

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