

Social Web Communities and Semantics

paper structure

- title** Analyzing tag semantics across collaborative tagging systems
- introduction**
 - applications to motivate
 - description of flickr / del
- structure**
 - compare "semantics" / semantic indicators of flickr / del**
 - cross-folksonomy analysis
 - 😊 Martin
 - correlation analysis 😊 Vito
 - cosine similarity between tags
 - full dataset
 - restricted to groups
 - 😊 Sergej, Andreas, Dominik
 - analysis of tag-tag space 😊 Dunja, Marko
 - link analysis 😊 Alexander
 - 🔍 directed cooccurrence 😊 Vito, Robert
 - conclusion**
 - some commonalities
 - some differences

concrete tasks

- compare semantics**
 - 😊 Sergej
 - 😊 Dominik
 - tag relatedness with / without groups for flickr
- directed cooc-graph**
 - 😊 Robert
 - 😊 Vito
- Analysis of tag space**
 - for delicious 2006
 - Dunja
 - Marko
 - delicious 2006 top 10.000
- cross folksonomy analysis**
 - flickr/delicious
 - correlation analysis
 - Martin
- Graph analysis**
 - flick/delicious
 - task?
 - alex

targets

- analyzing folksonomies**
 - 1 Cross-Folksonomy Analysis
 - learn model on one FS, evaluate on another
 - compare vocabulary
 - compare (hidden) semantics
 - 1 analysis of tag correlation by timeline (vito)
 - 1 entropy analysis
 - tags
 - links
- data abstraction**
 - 1 pragmatic turn (groups, social relationships) compare semantics in different groups
 - ontology learning 3 relation extraction
 - 3 tags
 - 3 links (msn data)
 - 3 content
 - ? 5 evaluation
 - common datasets
 - common measures
- Ontology 2.0**
 - 4 extend ontologies / with tags / resources Folksonomies Wikis
 - 4 tag sense disambiguation
 - 4 hybrid ontologies
- Enhance annotation**
 - 6 capture associative way of thinking
 - 4 crowdsourcing
- Generative Models / simulative models**
 - 3 semantic weather forecast

topics

- collaborations
- papers
- project proposals
- analytics vs. deep semantics
- bridge the gap
 - between automatically and user-created semantic representations
- emergent semantics
- semantic modeling
- latent + explicit semantics
- content popularity, user reputation
- folksonomy structure
- mining folksonomies
- structural semantics
- analyze correlations
- disambiguation
- flow / distribution of knowledge
- social web mining
- semantic tagging
- directed cooc network

ideas

- analyze further social informations
 - comments...
 - groups
 - friends
- extend distributional hypothesis to social contexts
- identify identity of objects (go beyond strings)
 - transition from structural to referential semantics

systems / applications

- tag recommendations
- expert finding
- search
- spam detection

evaluation methodologies

data

- datasets**
 - DBLP
 - GoogleScholar
 - cordis
 - BibSonomy / Del.icio.us / Flickr / Last.fm
 - Wikis
 - Wikipedia
 - Wiktionary
 - special Wikis
 - Wordnet
 - ACM
 - AOL clickdata
- features**
 - date / time
 - place
 - profile
 - friends
 - groups
 - relations
 - clicks
 - tag order
 - favorites
 - contacts
 - comments

duties

- 20-30 minutes presentation
- 2-3 pages text