

# Computational Semantics and Pragmatics

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# Course Recap

- **Automatic computation of logic-based meaning representations**
  - \* syntax-driven, model-theoretical semantics in Haskell
  - \* other resources: NLTK, B&B Boxer
  - \* scope ambiguity
- **Lexical semantics: fundamental aspects**
  - \* theories of the lexicon: enumerative (decompositional or relations), generative (Pustejovsky)
  - \* homonymy, polysemy, regular polysemy
  - \* WordNet, and other computational approaches to these issues
- **Word Sense Disambiguation**
  - \* supervised and unsupervised approaches
  - \* evaluation methods
- **Psychological theories of concepts and word meaning**
  - \* classic view, prototype theory, exemplar-based theory
- **Distributional Semantic Models**
  - \* theoretical assumptions and main technical parameters
  - \* review of current researcher in the field

# Look ahead

- Last homework due Friday 21 Dec, 5pm.
- Possibility to do a follow-up project
  - \* topic related to the course or to COSP broadly
  - \* 3 or 6 EC
  - \* individual or in pairs
  - \* make a proposal: decisions made on a case by case basis

**thanks everyone!**