

Representations of Meaning, 7.5 HEC

Compositionality

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Discuss and illustrate with examples what is meant by the notion of “compositionality” when representing meaning of natural language. How is compositionality represented in computational semantics?

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Jurafsky, Dan, and James H. Martin. 2009. *Speech and language processing: an introduction to natural language processing, computational linguistics, and speech recognition*. Upper Saddle River, N.J.: Pearson Prentice Hall, 2nd ed edition Chapter 18: Computational semantics.

Bird, Steven, Ewan Klein, and Edward Loper. 2009. *Natural language processing with python*. Beijing, Cambridge, Farnham, Köln, Sebastopol and Tokyo: O’Reilly, 1st ed edition Chapter 10. Available online at <http://www.nltk.org/book/ch10.html>

Blackburn, Patrick, and Johan Bos. 2005. *Representation and inference for natural language. A first course in computational semantics*. CSLI Publications. URL <http://www.let.rug.nl/bos/comsem/book1.html> Chapter 2.

Dowty, David R, Robert Eugene Wall, and Stanley Peters. 1981. *Introduction to Montague semantics*. Dordrecht, Holland: D. Reidel Pub. Co

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