LT2313: Computational Semantics (CS) Reading list

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- Emily M. Bender and Alexander Koller. 2020. Climbing towards nlu: On meaning, form, and understanding in the age of data. OpenReview Preprint, anonymous preprint under review.
- Yoshua Bengio, Réjean Ducharme, Pascal Vincent, and Christian Janvin. 2003. A neural probabilistic language model. *Journal of Machine Learning Research*, 3(6):1137–1155.
- Steven Bird, Ewan Klein, and Edward Loper. 2009. Natural language processing with Python. O'Reilly.
- Patrick Blackburn and Johan Bos. 2005. *Representation and inference for natural language. A first course in computational semantics.* CSLI Publications.
- Samuel R. Bowman, Gabor Angeli, Christopher Potts, and Christopher D. Manning. 2015. A large annotated corpus for learning natural language inference. In *Proceedings of the 2015 Conference on Empirical Methods in Natural Language Processing (EMNLP)*. Association for Computational Linguistics.
- Gennaro Chierchia and Sally McConnell-Ginet. 2000. *Meaning and grammar: an introduction to semantics*, 2 edition. MIT Press, Cambridge, Mass.
- Stephen Clark. 2015. Vector space models of lexical meaning. In Shalom Lappin and Chris Fox, editors, *Handbook of Contemporary Semantics second edition*, chapter 16, pages 493–522. Wiley Blackwell.
- Katrin Erk. 2012. Vector space models of word meaning and phrase meaning: A survey. *Language and Linguistics Compass*, 6(10):635–653.
- Noah D. Goodman and Michael C. Frank. 2016. Pragmatic language interpretation as probabilistic inference. *Trends in Cognitive Sciences*, 20(11):818–829.
- Dan Jurafsky and James H. Martin. 2019. Speech and language processing: an introduction to natural language processing, computational linguistics, and speech recognition. Third edition draft, Stanford University and University of Colorado at Boulder.
- Mikael Kågebäck and Hans Salomonsson. 2016. Word sense disambiguation using a bidirectional lstm. In 5th Workshop on Cognitive Aspects of the Lexicon (CogALex). Association for Computational Linguistics.
- Christopher Manning. 2017. Representations for language: From word embeddings to sentence meanings. talk, Stanford University, Simons Institute, Berkeley.

- Christopher D. Manning. 2005. An introduction to formal computational semantics. Lecture notes for CS224N/Ling 280.
- Jeff Mitchell and Mirella Lapata. 2008. Vector-based models of semantic composition. In *Proceedings* of ACL-08: HLT, pages 236–244, Columbus, Ohio.
- Jeff Mitchell and Mirella Lapata. 2010. Composition in distributional models of semantics. *Cognitive Science*, 34(8):1388–1429.
- Christopher Olah. 2015. Understanding LSTMs. Technical report, Google Brain.
- Jeffrey Pennington, Richard Socher, and Christopher Manning. 2014. Glove: Global vectors for word representation. In *Proceedings of the 2014 conference on empirical methods in natural language processing (EMNLP)*, pages 1532–1543.
- Matthew Peters, Mark Neumann, Mohit Iyyer, Matt Gardner, Christopher Clark, Kenton Lee, and Luke Zettlemoyer. 2018. Deep contextualized word representations. In *Proceedings of the 2018 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies, Volume 1 (Long Papers)*, pages 2227–2237, New Orleans, Louisiana. Association for Computational Linguistics.
- Stephen G. Pulman. 2005. Higher order logic in semantics. lecture notes, Department of Computer Science, University of Oxford, Oxford, United Kingdom.
- Aarne Talman, Anssi Yli-Jyrä, and Jörg Tiedemann. 2019. Sentence embeddings in nli with iterative refinement encoders. *Natural Language Engineering*, 25(4):467–482.
- Peter D Turney, Patrick Pantel, et al. 2010. From frequency to meaning: Vector space models of semantics. *Journal of artificial intelligence research*, 37(1):141–188.