

8. REFERENCES

- [1] S. Auer, C. Bizer, G. Kobilarov, J. Lehmann, R. Cyganiak, and Z. G. Ives. Dbpedia: A nucleus for a web of open data. In *ISWC/ASWC*, pages 722–735, 2007.
- [2] K. Bellare, P. P. Talukdar, G. Kumaran, F. Pereira, M. Liberman, A. McCallum, and M. Dredze. Lightly-supervised attribute extraction. *NIPS 2007 Workshop on Machine Learning for Web Search*, 2007.
- [3] R. Blanco, B. B. Cambazoglu, P. Mika, and N. Torzec. Entity recommendations in web search. In *The 12th International Semantic Web Conference (ISWC 2013)*, pages 33–48. Springer, 2013.
- [4] K. D. Bollacker, C. Evans, P. Paritosh, T. Sturge, and J. Taylor. Freebase: a collaboratively created graph database for structuring human knowledge. In *SIGMOD Conference*, pages 1247–1250, 2008.
- [5] K. W. Church and P. Hanks. Word association norms, mutual information, and lexicography. *Computational linguistics*, 16(1):22–29, 1990.
- [6] O. P. Damani and S. Ghonge. Appropriately incorporating statistical significance in PMI. In *EMNLP*, 2013.
- [7] M.-C. de Marneffe, B. MacCartney, and C. D. Manning. Generating typed dependency parses from phrase structure trees. In *LREC*, 2006.
- [8] C. Elkan and K. Noto. Learning classifiers from only positive and unlabeled data. In *SIGKDD*, 2008.
- [9] O. Etzioni, M. Banko, S. Soderland, and D. S. Weld. Open information extraction from the web. *Commun. ACM*, 51(12):68–74, 2008.
- [10] A. Fader, S. Soderland, and O. Etzioni. Identifying relations for open information extraction. In *EMNLP*, pages 1535–1545, 2011.
- [11] L. A. Galárraga, C. Teflioudi, K. Hose, and F. M. Suchanek. AMIE: association rule mining under incomplete evidence in ontological knowledge bases. In *WWW*, 2013.
- [12] R. Ghani, K. Probst, Y. L. 0002, M. Krema, and A. E. Fano. Text mining for product attribute extraction. *SIGKDD Explorations*, 8(1):41–48, 2006.
- [13] A. Grycner and G. Weikum. HARPY: hypernyms and alignment of relational paraphrases. In *COLING 2014*, pages 2195–2204, 2014.
- [14] R. Gupta, A. Y. Halevy, X. Wang, S. E. Whang, and F. Wu. Biperpedia: An ontology for search applications. *PVLDB*, 7(7):505–516, 2014.
- [15] M. A. Hearst. Automatic acquisition of hyponyms from large text corpora. In *COLING*, 1992.
- [16] T. Lee, Z. Wang, H. Wang, and S.-W. Hwang. Attribute extraction and scoring: A probabilistic approach. In *ICDE*, pages 194–205, 2013.
- [17] W. S. Lee and B. Liu. Learning with positive and unlabeled examples using weighted logistic regression. In *ICML*, 2003.
- [18] Mausam, M. Schmitz, S. Soderland, R. Bart, and O. Etzioni. Open language learning for information extraction. In *EMNLP-CoNLL*, pages 523–534, 2012.
- [19] T. Mikolov, Q. V. Le, and I. Sutskever. Exploiting similarities among languages for machine translation. *arXiv preprint arXiv:1309.4168*, 2013.
- [20] T. Mikolov, I. Sutskever, K. Chen, G. S. Corrado, and J. Dean. Distributed representations of words and phrases and their compositionality. In *NIPS*, 2013.
- [21] T. Mitchell, W. Cohen, E. Hruschka, P. Talukdar, J. Betteridge, A. Carlson, B. Dalvi, M. Gardner, B. Kisiel, J. Krishnamurthy, N. Lao, K. Mazaitis, T. Mohamed, N. Nakashole, E. Platanios, A. Ritter, M. Samadi, B. Settles, R. Wang, D. Wijaya, A. Gupta, X. Chen, A. Saparov, M. Greaves, and J. Welling. Never-ending learning. In *AAAI-15*, 2015.
- [22] C. J. Mungall. Obol: Integrating language and meaning in bio-ontologies. *Comparative and Functional Genomics*, vol. 5, no. 6-7, pp. 509–520, 2004. doi:10.1002/cfg.435, 5(6-7):509–520, 2004.
- [23] N. Nakashole, G. Weikum, and F. Suchanek. Discovering semantic relations from the web and organizing them with patty. *SIGMOD Rec.*, 42(2), July 2013.
- [24] N. Nakashole, G. Weikum, and F. M. Suchanek. PATTY: A taxonomy of relational patterns with semantic types. In *EMNLP-CoNLL*, pages 1135–1145, 2012.
- [25] M. Pasca. Turning web text and search queries into factual knowledge: Hierarchical class attribute extraction. In *AAAI*, 2008.
- [26] M. Pasca and B. Van Durme. What you seek is what you get: Extraction of class attributes from query logs. In *IJCAI*, volume 7, pages 2832–2837, 2007.
- [27] A.-M. Popescu and O. Etzioni. Extracting product features and opinions from reviews. In *hltemnlp2005*, pages 339–346, Vancouver, Canada, 2005.
- [28] S. Sarawagi and R. Gupta. Accurate max-margin training for structured output spaces. In *ICML*, 2008.
- [29] A. Singhal. Introducing the knowledge graph: things, not strings. *Official Google Blog*, May, 2012.
- [30] N. A. Smith and J. Eisner. Guiding unsupervised grammar induction using contrastive estimation. In *In Proc. of IJCAI Workshop on Grammatical Inference Applications*, pages 73–82, 2005.
- [31] R. Socher and C. D. Manning. Deep learning for NLP (without magic). In *Tutorial at NAACL*, 2013.
- [32] V. I. Spitzkovsky, H. Alshawi, and D. Jurafsky. From baby steps to leapfrog: How “less is more” in unsupervised dependency parsing. In *HLT-NAACL*. The Association for Computational Linguistics, 2010.
- [33] S. Tratz and E. H. Hovy. A taxonomy, dataset, and classifier for automatic noun compound interpretation. In *ACL*, 2010.
- [34] I. Tsochantaris, T. Joachims, T. Hofmann, and Y. Altun. Large margin methods for structured and interdependent output variables. *Journal of Machine Learning Research*, 6:1453–1484, 2005.
- [35] P. D. Turney, P. Pantel, et al. From frequency to meaning: Vector space models of semantics. *Journal of artificial intelligence research*, 37(1):141–188, 2010.
- [36] W. Wu, H. Li, H. Wang, and K. Q. Zhu. Probase: a probabilistic taxonomy for text understanding. In *SIGMOD*. ACM, 2012.
- [37] M. Yahya, S. Whang, R. Gupta, and A. Y. Halevy. Renoun: Fact extraction for nominal attributes. In *EMNLP*, pages 325–335, 2014.