

## REFERENCES

- [1] [1] J. Pearl, "Probabilistic reasoning in intelligent systems," Networks of Plausible Inference, San Mateo, CA, Morgan Kaufmann Publishers, 1988.
- [2] [2] T. Bayes, "An essay towards solving a problem in the doctrine of chances," Philosophical Trans. Royal Soc. Of London, 1763.
- [3] [3] S. L. Lauritzen and D. J. Spiegelhalter, "Local computations with probabilities on graphical structures and their application to expert systems," J. Royal Statistical Soc., 1988.
- [4] [4] D. Heckerman, "A tutorial on learning with bayesian networks," Technical Report MSR-TR-95-06, Microsoft, <http://research.microsoft.com/research/pubs/view.aspx?msrtrid=MSR-TR-95-06>, 1996.
- [5] [5] D. Heckerman, "Learning bayesian networks: The combination of knowledge and statistical data," Proc. KDD Workshop, 1994.
- [6] [6] N. Friedman and M. Goldszmidt, "Learning bayesian networks with local structure," Learning in Graphical Models, 1999.
- [7] [7] Cooper, Gregory F. (1990). The computational complexity of probabilistic inference using Bayesian belief networks. Artificial Intelligence, 42(2-3):393-405.
- [8] [8] Pearl, Judea (1986). Fusion, propagation, and structuring in belief networks. Artificial Intelligence, 29(3):241-288.
- [9] [9] Lauritzen, Steffen L. & David J. Spiegelhalter (1988). Local computations with probabilities on graphical structures and their application to expert systems (with discussion). Journal of the Royal Statistical Society, Series B (Methodological), 50(2):157-224.
- [10] [10] J. Dean and S. Ghemawat. Mapreduce: Simplified data processing on large clusters. Communications of the ACM, 51(1):107-113, 2008.
- [11] [11] A. Basak, I. Brinster, X. Ma, and O. J. Mengshoel, Accelerating Bayesian Network Parameter Learning Using Hadoop and MapReduce, BigMine'12 August 12, 2012 Beijing, China.
- [12] [12] N. Pansare, V. Borkar, C. Jermaine, T. Condie (2011), Online Aggregation for Large MapReduce Jobs, Proceedings of the VLDB Endowment, September 2011, Seattle, Washington, Vol. 4, No. 11, pp.1135-1145.
- [13] [13] K. Zhai et. al, Mr. LDA: a flexible large scale topic modeling package using variational inference in MapReduce, Proceeding WWW '12 Proceedings of the 21st international conference on World Wide Web, ACM New York, NY, USA ©2012, p. 879-888.
- [14] [14] Hadoop: The Definitive Guide. Tom White, Published by O'Reilly Media, Inc., 1005 Gravenstein Highway North, Sebastopol, CA 95472, Printed in the United States of America (2009).
- [15] [15] Dagum, P. & Luby, M., 1993. Approximating probabilistic inference in Bayesian belief networks is NP-hard. Artif. Intell. 60, 141-153.
- [16] [16] Pradhan et al., 1994, Malcolm Pradhan, Gregory Provan, Blackford Middleton, and Max Henrion, Knowledge engineering for large belief networks, In Proceedings of the Tenth Annual Conference on Uncertainty in Artificial Intelligence (UAI-94), pages 484-490, San Francisco, CA, 1994. Morgan Kaufmann Publishers.
- [17] [17] Lauritzen, Steffen L. and David J. Spiegelhalter (1988) "Local computations with probabilities on graphical structures and their application to expert systems" in Journal Royal Statistics Society B, 50(2), 157-194.