- Courville, A., Desjardins, G., Bergstra, J., and Bengio, Y. (2014). The spike-and-slab RBM and extensions to discrete and sparse data distributions. *Pattern Analysis and Machine Intelligence*, *IEEE Transactions on*, **36**(9), 1874–1887. **682**
- Cover, T. M. and Thomas, J. A. (2006). *Elements of Information Theory, 2nd Edition*. Wiley-Interscience. 73
- Cox, D. and Pinto, N. (2011). Beyond simple features: A large-scale feature search approach to unconstrained face recognition. In *Automatic Face & Gesture Recognition* and Workshops (FG 2011), 2011 IEEE International Conference on, pages 8–15. IEEE. 363
- Cramér, H. (1946). Mathematical methods of statistics. Princeton University Press. 135, 295
- Crick, F. H. C. and Mitchison, G. (1983). The function of dream sleep. *Nature*, **304**, 111–114. 609
- Cybenko, G. (1989). Approximation by superpositions of a sigmoidal function. *Mathematics of Control, Signals, and Systems*, **2**, 303–314. **198**
- Dahl, G. E., Ranzato, M., Mohamed, A., and Hinton, G. E. (2010). Phone recognition with the mean-covariance restricted Boltzmann machine. In NIPS'2010. 23
- Dahl, G. E., Yu, D., Deng, L., and Acero, A. (2012). Context-dependent pre-trained deep neural networks for large vocabulary speech recognition. *IEEE Transactions on Audio, Speech, and Language Processing*, **20**(1), 33–42. 459
- Dahl, G. E., Sainath, T. N., and Hinton, G. E. (2013). Improving deep neural networks for LVCSR using rectified linear units and dropout. In *ICASSP'2013*. 460
- Dahl, G. E., Jaitly, N., and Salakhutdinov, R. (2014). Multi-task neural networks for QSAR predictions. arXiv:1406.1231. 26
- Dauphin, Y. and Bengio, Y. (2013). Stochastic ratio matching of RBMs for sparse high-dimensional inputs. In *NIPS26*. NIPS Foundation. 619
- Dauphin, Y., Glorot, X., and Bengio, Y. (2011). Large-scale learning of embeddings with reconstruction sampling. In *ICML* '2011. 471
- Dauphin, Y., Pascanu, R., Gulcehre, C., Cho, K., Ganguli, S., and Bengio, Y. (2014). Identifying and attacking the saddle point problem in high-dimensional non-convex optimization. In NIPS'2014. 285, 286, 288
- Davis, A., Rubinstein, M., Wadhwa, N., Mysore, G., Durand, F., and Freeman, W. T. (2014). The visual microphone: Passive recovery of sound from video. *ACM Transactions on Graphics (Proc. SIGGRAPH)*, **33**(4), 79:1–79:10. **452**