

READING FOR CIFAR-10 PROJECT

TBD

REFERENCES

1. Hussein A Abbass, *Speeding up backpropagation using multiobjective evolutionary algorithms*, Neural Computation **15** (2003), no. 11, 2705–2726.
2. Sanghamitra Bandyopadhyay and Sankar Kumar Pal, *Classification and learning using genetic algorithms: applications in bioinformatics and web intelligence*, Springer, 2007.
3. Yoshua Bengio, *Gradient-based optimization of hyperparameters*, Neural computation **12** (2000), no. 8, 1889–1900.
4. ———, *Practical recommendations for gradient-based training of deep architectures*, Neural Networks: Tricks of the Trade, Springer, 2012, pp. 437–478.
5. James Bergstra, Rémi Bardenet, Yoshua Bengio, Balázs Kégl, et al., *Algorithms for hyper-parameter optimization.*, NIPS, vol. 24, 2011, pp. 2546–2554.
6. James Bergstra and Yoshua Bengio, *Random search for hyper-parameter optimization*, The Journal of Machine Learning Research **13** (2012), 281–305.
7. James Bergstra, Olivier Breuleux, Frédéric Bastien, Pascal Lamblin, Razvan Pascanu, Guillaume Desjardins, Joseph Turian, David Warde-Farley, and Yoshua Bengio, *Theano: a CPU and GPU math expression compiler*, Proceedings of the Python for Scientific Computing Conference (SciPy), June 2010, Oral Presentation.
8. Ingrid Daubechies et al., *Ten lectures on wavelets*, vol. 61, SIAM, 1992.
9. Deeplearning.net, *Deeplearning*, <http://deeplearning.net/software/theano/tutorial/index.html>, Accessed: 2014-02-10.
10. Richard O Duda, Peter E Hart, and David G Stork, *Pattern classification*, John Wiley & Sons, 2012.
11. David Edward Goldberg et al., *Genetic algorithms in search, optimization, and machine learning*, vol. 412, Addison-wesley Reading Menlo Park, 1989.
12. John J Grefenstette, *Optimization of control parameters for genetic algorithms*, Systems, Man and Cybernetics, IEEE Transactions on **16** (1986), no. 1, 122–128.
13. Geoffrey Hinton, *Neural nets*, <http://class.coursera.org/neuralnets-2012-001/>, Accessed: 2014-02-10.
14. ———, *A practical guide to training restricted boltzmann machines*, Momentum **9** (2010), no. 1, 926.
15. Yaochu Jin, Tatsuya Okabe, and Bernhard Sendhoff, *Neural network regularization and ensembling using multi-objective evolutionary algorithms*, Evolutionary Computation, 2004. CEC2004. Congress on, vol. 1, IEEE, 2004, pp. 1–8.
16. C Richard Johnson, Ella Hendriks, Igor J Bereznoy, Eugene Brevdo, Shannon M Hughes, Ingrid Daubechies, Jia Li, Eric Postma, and James Z Wang, *Image processing for artist identification*, Signal Processing Magazine, IEEE **25** (2008), no. 4, 37–48.
17. Kaggle.com, *Cifar-10 - object recognition in images*, <http://www.kaggle.com/c/cifar-10/>, Accessed: 2014-02-10.
18. Alex Krizhevsky and Geoffrey Hinton, *Learning multiple layers of features from tiny images*, Computer Science Department, University of Toronto, Tech. Rep (2009).
19. Alex Krizhevsky, Geoffrey E Hinton, et al., *Factored 3-way restricted boltzmann machines for modeling natural images*, International Conference on Artificial Intelligence and Statistics, 2010, pp. 621–628.
20. Alex Krizhevsky, Ilya Sutskever, and Geoffrey E Hinton, *Imagenet classification with deep convolutional neural networks.*, NIPS, vol. 1, 2012, p. 4.
21. Frank Hung-Fat Leung, Hak-Keung Lam, Sai-Ho Ling, and Peter Kwong-Shun Tam, *Tuning of the structure and parameters of a neural network using an improved genetic algorithm*, Neural Networks, IEEE Transactions on **14** (2003), no. 1, 79–88.
22. David JC MacKay, *Information theory, inference and learning algorithms*, Cambridge university press, 2003.
23. Andrew Ng, *Machine learning*, <http://www.cousera.org/course/ml/>, Accessed: 2014-01-05.
24. Mohammad Norouzi, *Convolutional restricted boltzmann machines for feature learning*, Master’s thesis, School of Computing Science-Simon Fraser University, 2009.

Date: June 21, 2014.

25. SN Sivanandam and SN Deepa, *Genetic algorithm optimization problems*, Springer, 2008.
26. Jasper Snoek, Hugo Larochelle, and Ryan P Adams, *Practical bayesian optimization of machine learning algorithms.*, NIPS, 2012, pp. 2960–2968.
27. Vikrant Singh Tomar and Richard C Rose, *Efficient manifold learning for speech recognition using locality sensitive hashing*, Acoustics, Speech and Signal Processing (ICASSP), 2013 IEEE International Conference on, IEEE, 2013, pp. 6995–6999.