

reading list

(VC dim chapter) Understanding Machine Learning: From Theory to Algorithms, <https://www.cs.huji.ac.il/w~shais/UnderstandingMachineLearning/copy.html>

Arora, S., Ge, R., Neyshabur, B. and Zhang, Y., 2018, July. Stronger generalization bounds for deep nets via a compression approach. In International Conference on Machine Learning (pp. 254-263). PMLR.

<http://proceedings.mlr.press/v80/arora18b/arora18b.pdf>

Braverman, V., Krauthgamer, R., Krishnan, A.R. and Sapir, S., 2021, July. Near-optimal entrywise sampling of numerically sparse matrices. In Conference on Learning Theory (pp. 759-773). PMLR.

<http://proceedings.mlr.press/v134/braverman21b/braverman21b.pdf>

Golowich, N., Rakhlin, A. and Shamir, O., 2018, July. Size-independent sample complexity of neural networks. In Conference On Learning Theory (pp. 297-299). PMLR.

<https://arxiv.org/pdf/1712.06541.pdf>

Daniely, A. and Granot, E., 2019. Generalization bounds for neural networks via approximate description length. Advances in Neural Information Processing Systems, 32.

<https://arxiv.org/pdf/1910.05697.pdf>

Dziugaite, G.K. and Roy, D.M., 2017. Computing nonvacuous generalization bounds for deep (stochastic) neural networks with many more parameters than training data. arXiv preprint arXiv:1703.11008.

<https://arxiv.org/pdf/1703.11008.pdf>

Bartlett, P.L., Foster, D.J. and Telgarsky, M.J., 2017. Spectrally-normalized margin bounds for neural networks. Advances in neural information processing systems, 30.

<https://proceedings.neurips.cc/paper/2017/file/b22b257ad0519d4500539da3c8bcf4dd-Paper.pdf>