Abstract

It is clear that with ever improving computational power and endless data, there have been more breakthroughs in Machine Learning. Some practices have clearly emerged as promising while building a neural network. A performance metric to judge the model, is to see if it is in the wrong side of bias or variance. While building a classifier, cases with high bias, and high variance crop up. This paper shall attempt to shed some light on the problem of bias-variance, and how to solve them, with some approaches to perform Regularization.

References

9. Andrew Ng. Feature selection, L1 vs. L2 regularization
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**Index Terms**

Computer Science Information Sciences

**Keywords**

Machine Learning, Bias, Variance, Neural Networks, Regularization.