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
10. Coursera 2018 deeplearning.ai

Index Terms

Computer Science

Information Sciences

Keywords

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