

# Neural networks for solving regression and classification problems

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## 1 Abstract

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## 2 Introduction

In regression, we wish to create a general model that provides a low MSE even for data that it was trained on. To study this attribute, we observe the bias variance trade-off of a given regression model to understand where our model begins to overfit to the training data. Understanding the bias variance trade-off allows us to study the relationship between model complexity and the test MSE score of