South China University of Technology

The Experiment Report of Machine Learning

SCHOOL: SCHOOL OF SOFTWARE ENGINEERING

SUBJECT: SOFTWARE ENGINEERING

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December 15, 2017

Linear Regression, Linear Classification and Gradient Descent

Abstract—

I. INTRODUCTION

This experiment mainly show how to use linear regression and linear classification to make classification.

IV. CONCLUSION

There are many methods to make gradient descent faster and better.
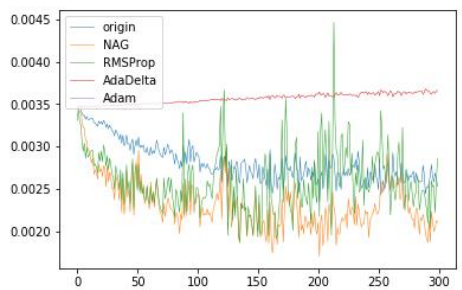
This experiment is not so easy to finish.

It takes a lot of patience to adjust the parameters

II. METHODS AND THEORY

Method：**NAG，RMSProp，AdaDelta 和 Adam**

III. EXPERIMENT

Linear Regression：

Linear Classification：