

**The Experiment Report of**

***Machine Learning***

**College Software College**

**Subject Software Engineering**

**Members**   **饶浩聪**

**Student ID 201530612644**

**E-mail 568302203@qq.com**

**Tutor**   **吴庆耀**

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**1. Topic:**

**2. Time:**

**3. Reporter:**

**4. Purposes:**

**5. Data sets and data analysis:**

**6. Experimental steps:**

**7. Code:**

(Fill in the contents of 8-12 respectively for linear regression and linear classification)

**8. Selection of validation (hold-out, cross-validation, k-folds cross-validation, etc.):**

**9. The initialization method of model parameters:**

**10. The selected loss function and its derivatives:**

**11. Experimental results and curve:**

## Hyper-parameter selection (η, epoch, etc.):

## Assessment Results (based on selected validation):

## Predicted Results (Best Results):

## Loss curve:

**12. Results analysis:**

**13. Similarities and differences between linear regression and linear classification:**

**14. Summary:**