Summary：

Background

First，问题一概述

Second,问题二概述

Third,问题三概述

Keywords:

1.Introduction

1.1Restatement of the Problem问题重述

2.Assumptions and Notations

2.1 Assumptions

2.2 Notations

3.Date Processing数据处理

3.1 Data imputation//缺省值处理

3.2 Delete the redundant data//去除重复数据

4.Analysis of the three product data sets

4.1 Analysis of star ratings

4.1.1 Classifications of star ratings//分类

4.1.2 High-frequency words of star ratings//高频词

4.1.3 Product ID of high star ratings

4.2 Analysis of reviews

4.2.1 Classifications of reviews

4.2.2 High-frequency words of reviews

4.2.3 Product ID of good reviews

4.3 Analysis of helpfulness ratings

4.3.1 Classifications of helpfulness ratings

4.3.2 High-frequency words of helpfulness ratings

4.3.3 Product ID of high helpfulness ratings

4.4 Analysis of regular customer

4.4.1 High-frequency words

5. Model Construction

5.1 Data measures identification

5.2 Time-based measures and patterns

5.3 Combinations of text-based and ratings-based measures

5.4 Influence of star ratings

5.5 Associations between reviews and rating levels

6. Letter(1-2页)

7. Sensitivity Analysis

9. Evaluation and promotion of model

9.1 Weakness and strength

9.1.1 Weakness

9.1.2 Strength

9.2 Promotion

10. Conclusions

Referencrs