Report Template for Stat3612 Data Mining Project

Team and Names
The University of Hong Kong

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Abstract

This is a template for writing a scientific report of PDF format in R markdown. In abstract, start with the problem statement and the relevant dataset. Then, you may describe the data exploration and machine learning techniques. It will be interesting to tell your story about the ten-trial journey as gauged by the F1 score. The whole abstract is best written by a paragraph of four or five lines. You may directly modify this template to make your own report. The whole report is better limited to be 10 to 15 pages.

1 Introduction

Introduce the backgroud of the project, write something about the challenge, the data set and the objective of the study.

2 Data Exploration

Initial data analysis, including data manipulation and possible graphical/visualization analysis.

3 Prediction Methods

Describe the methods you have tried for tackling the data mining challgene through the 10 or more trials. Provide the logical reasoning of changing from one method to another, and the F-evaluation feedback through the unseen test data. You may present in more details any novel idea(s) you think interesting, which will bring your report to a higher level.

4 Results

Present your best ranked results and analyze why it is more or less competitive than peer teams.

5 Conclusion

Summarize your team work with emphasis on your findings. List if any potential problems as future works.

6 Acknowledgement

This project is to fulfill a requirement of Stat3612 Data Mining course in the University of Hong Kong. We would like to thank ... for ....

7 References

1. List the relavant articles if cited above
2. List the websites of online materials ...