

Course Experiment Report

Specification

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Last modified: 04-28-2024

In this course experiment, each student is expected to find a dataset (online or offline), do some data mining on this dataset, and submit the experiment report.

The specification includes the following parts:

- Requirements;
- Submission;
- Marking standards (for reference)

Requirements

The requirements are specified as below:

- 1) You are expected to do your experiment and write the report **INDEPENDENTLY**;
- 2) You can do any experiment if you can find the data set and you feel mining on such a data set is interesting.
- 3) You don't need to give me the code. So you can use any tool for mining, even without writing your own code, if you feel existing tools is sufficient.
- 4) Your experimental report should consist of 4 parts (Introduction, Method, Results, Conclusion), just like a normal paper.
- 5) The introduction section need to tell me the background knowledge about your experiment. It should include, but not be limited to, the following questions: what problem are you trying to do datamining, why this problem is important(interesting), and how about existing work in this field, etc.
- 6) The methods section needs to tell me some details about the methods you used in the experiment. It should include, but not be limited to, the details about data cleansing, data pre-processing, feature engineering and methods of mining, etc.
- 7) The results section tells me the results you get while do such a datamining on the data set. You can use chart and table to make your results clear.

- 8) The conclusion section is a summary based on the introduction part and the results part. It is also possible to make predictions about future trends or look into the future based on the analysis of the current situation in the report.

Submission:

- 1) Prepare your documents, and name them as required("school number"+"student name");
- 2) Send them to your class representative before the submission deadline(6.21 10:00, Friday of the 17th week);
- 3) Class representative will then archive all the submission once the deadline is due, and send to the lecturer via email or qq.

Marking Standard:

The following marking standard is provided solely for your reference.

- ✓ 10pts for timely submission; (*no delay will be tolerated*)
- ✓ 15pts for no violation of honest and independent completion;
- ✓ 5pts for appropriate formatting as required.
- ✓ 20pts for introduction section;
- ✓ 20pts for method section;
- ✓ 20pts for results section;
- ✓ 10pts for conclusion section;