08306145 Final Project Exam Spring2021

Description

The final project exam contains two sections, namely oral presentation and the project report. The total marks including the mid-term reading report occupies the 50 percent of your final score in this course, where 10% in mid-term reading report, 10% in oral presentation, and 30% in the project report.

Oral Presentation

The oral presentation is between week 9 and week 10. Two students can form as a team and has **10 minutes** to present their work. You are free to choose an interesting topic that comes from your reading papers related to this course. The language can be either English or Mandarin. The schedule and name list will post online later.

Project Report

The project report is similar to the mid-term reading report which requires you to conduct a comprehensive self-proposed survey research on recent developments in a big data technology. The research topics can be relevant to the materials in your oral presentation, but not limited. You should focus on a particular topic with **only one** particular **journal** paper. The journal paper should be published in recent two years (2019-2021), which is different to the mid-term reading paper. The page limit of final project is between 15-20 with at least 15 references.

Language: Mandarin (Suggested) or English (Optimal)

Submission: All the final exams should be submitted before **Week 11 (June 12th).** The upload files should include the checking report of your academic integrity, with overlapping rate less than **20%**. **Fail to upload the plagiarism checking report will not get the marks in your final exam.**

Academic Integrity: All the final report should avoid plagiarism, collusion and miconduct, which will include the checking report from the online academic integrity system. For the Mandarin version, please click http://www.biguolunwen.com/?aid=983 or scan the QR code. For English version, please click http://www.turnitin.com.cn/ or other system.

Grading Policy: Just survey of papers: 15-25%

In depth survey with own interpretation and ideas: 25-30%

Modeling with results: 30-35%

Paper with some ideas and calculations: 35-40%

Suggested Topics:

- Data classification
- Machine learning
- Deep learning
- Pattern recognition
- Data prediction
- Data mining
- Statistical learning
- Visualization
- Complex networks

etc.

Examples (in Mandarin):

https://www.aminer.cn/research_report/5d247c6a7fb2beaed5722309?download=false

https://www.jiqizhixin.com/articles/2019-10-29-2

Template: Post on the course webpage later