

Data Mining

Fall 2024

Term Project (Final Presentation) Announcement

Final presentation slides and video

- Around **10** minutes of main presentation (recorded in a video)
 - Team members
 - Target problem
 - ◆ Project Aims
 - ◆ Problem Description (including Input, Process and Output)
 - ◆ Performance Metrics (e.g., Accuracy, AUROC)
 - ◆ Performance Target (e.g., Reach 90% for Accuracy)
 - Descriptions of selected datasets
 - ◆ Data sources and characteristics (e.g., data type, size, features, ...)
 - ◆ Please note that the datasets you selected must be **publicized** (You should give the reference in slides.)
 - Analysis workflow
 - ◆ Descriptions of selected data mining methods and the reason
 - ◆ Descriptions of model evaluation methods (e.g., K-Fold cross validation)
 - ◆ The platform (and tools) you used
 - ◆ Note: You must use **at least two** of the following three types of data mining techniques in the project: **I) Link Analysis** (Associations Mining, Sequential Pattern Mining, Time Series

Mining, etc); II) Classification; III) Clustering.

- Analysis results
 - ◆ The experimental results (including some texts/figures)
 - ◆ The **insights or thoughts** according to the results
 - Discussion and Conclusion
 - Work distribution chart (分工表)
- Please note that **the voice** in video must be **clear**. Besides, you are **not** be allowed to **use speeding up (post-production)** to adjust the normal speed of speech.
 - Upload due date **2024/12/01 (Sun.) a.m. 11:59 (中午前)**
 - Filename: team_{team index}_final
 - ◆ e.g., team_02_final.**pptx**; team_02_final.**mp4**
 - Please upload your slides and video before the due date whenever you give the final presentation.

Final presentation Q&A

- Class Date: **2024/12/04 (Wed.) & 2024/12/11 (Wed.)**
- Around **5** minutes of Q&A per team (all team members must participate in both classes.)
 - The video you uploaded (**main presentation**) will be played.
 - Instructor/TA will give comments based on the video/slides you upload. Then you must give quick responses accordingly.

Final report upload

- Due: **2024/12/20 (Fri.) p.m. 23:59**
- Please refer to “Term-Project-Report-Format.doc” for more details regarding the report format.

Penalty

- If your submitted video is **over 10 minutes**, your whole team will get **only 50%** of the original score of this final oral presentation.
- If you **do not show up** for this final oral presentation **without permission (or not in special situations)**, you will get a **zero score** for this final oral presentation. Please follow the Leave Policy in NYCU and email the Professor and Teaching Assistants when you have a particular reason and expect not to show up.