Big Data Analytics Techniques and Applications

Spring 2023

Term Project Proposal

Proposal slides and video (in Chinese or English)

- **At most 5 minutes for presentation (recorded in a video)**

  - Team members

  - Target problem

    - Problem statement (including the Motivation)

    - Targeted performance metrics (e.g., Reach 90% for Accuracy)

  - Brief descriptions on the selected datasets

    - Data sources and characteristics (data type, size, etc.)

    - **How the data fits for the Big Data characteristics in terms of Volume or Variety?**

    - Please note that the datasets you selected must be publicly available ones.

  - Basic work plan

    - What platform (e.g., Hadoop, Spark), tools (e.g., scikit-learn, Spark MLib) and analysis workflow you plan to use

    - Tentative Schedule

- **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 2023/03/20 (M) 23:59:59**

  - **Filename: team_{team_index}_proposal.xxx**

◆ e.g., <mark>team_02_proposal.pptx; team_02_proposal.</mark><mark style="color:red">mp4</mark>

Proposal Q&A (On Class)

- **Class Date: 2023/03/22 (W) & 2023/03/29 (W)**
- **10 minutes of Q&A for each team (all team members must show up; no-show will get 0 point on this part)**
  - ■ The video you uploaded will be played.
  - ■ Instructor and TAs will give some comments based on the content of your video and slides. Then you should give some quick responses accordingly. (Your slides will be made available on class for your convenience of answering.)

Revision of Proposal (in Chinese or English)

- **After the on-class Q&A, you'll have a chance to revise the proposal slides as needed:**
  - ■ **Upload due: 2023/04/07 (F) 23:59:59 (slides only)**
    - ◆ Filename: team_{team index}_proposal-v2.ppt
    - ◆ Please also provide the "Readme.pdf" file that lists and describes how the slides have been revised. (with page numbers in the proposal slides), for example:

Page No.	Original content	Revised content
3	Lack of information about the size of the dataset.	Adding the size of the dataset to the dataset description.

  - ■ Note: If you are advised to change the project topic by the instructor, you need to upload all new materials, including the slides and video.