Data Mining - COMP7103C

Administrative

Instructor in Charge: Dr. Chao Huang
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Assignment Description

The assignment is a collaborative project that encourages students to work in groups of 1-4 members. The primary objective of the project is to explore and extract meaningful relationships from diverse data sources, such as web data, scientific data, financial data, and spatio-temporal data.

To successfully complete the project, students will need to work together to identify relevant data sources and formulate appropriate research questions. They will then need to analyze and interpret the data to uncover any patterns, trends, or relationships that may exist.

Assignment Deliverables

The deliverables for this assignment consist of a Final Project Report and a Presentation Session.

Final Project Report (70%). should include the following components: i) Project Idea Description and Motivation: A brief description of the project idea and the motivation behind it. ii) Model Implementation: A detailed description of the model implementation, including the techniques and methods used to develop the system. iii) Evaluation Results: The evaluation results of the system, including any key performance metrics and a discussion of the system's strengths and weaknesses. iv) Key Observations and Conclusions: A summary of the key observations and conclusions drawn from the project, including what worked, what did not work, what surprised the team, and why. v) A Github link to your repository which contains the source code of your model implementation and evaluated dataset. A detailed README file that provides instructions on how to successfully run our code, is highly suggested.

Presentation (30%). During the Presentation Session, each team will be required to prepare and present slides a 5-minute presentation followed by a 2-minute question-and-answer session that explain their implemented system. This session will provide an opportunity for each team to showcase their work and answer questions from other members of the class. Additionally, the session will allow each team to learn from the experiences of their peers and gain insights into other approaches and techniques used in the project.

Assignment Submission

Group Presentation Time: Apr.14, 2023 class time 11:30am-2:20pm.

Final Report Submission Deadline: Apr.21, 2023, end of the day.

Where to submit the final project report: HKU Moodle site with a zip file following the file name format of "Report-Group Member Names" **due on Apr.21, end of the day, 2023**.

Where to submit the presentation slides: HKU Moodle site with a slide file following the file name format of "Presentation-Group Member Names" **due on Apr.12, end of the day, 2023**.

Please input the Project Title and Group Member information: To prepare the presentation, we kindly ask that you follow th format for inputting your Project Title and Group Member Names and IDs, using this doc link: `https://docs.google.com/document/d/1E5sFD_E_ssF_KIppZOta-c0j2ZfA0Jloh8E_zoRmQiI/edit`, **due on Apr.10, end of the day, 2023**.