A231 STIS3023 PROGRAMMING FOR DATA SCIENCE

PROJECT DESCRIPTIONS

ABOUT THE PROJECT

You need to carry out data analysis for departments in UUM (choose one: U-assist, Library, JPP, SAC, Security, Ko-K, HEA, HEP).

The data analysis must go through the process of:

1. Identifying requirements: identify the business operation related to the department.
2. Acquiring and cleaning data (if necessary): Visit related department to acquire the data.
3. Managing and manipulating data: Execute the basic exploratory data analysis (EDA).
4. Analyzing data: Execute further data analysis with appropriate data visualization for **more than THREE (3)** information.
5. Producing analysis reports: produce **two** R Markdown documents that generate reports in:
    a. Word document - must follow the format of Journal of Digital System Development (JDSD) (https://bit.ly/TemplateJDSD2024)
    b. Powerpoint presentation - Simplify your word project report to produce a powerpoint presentation.

TEAM MEMBERS

You are required to work in a team of **FOUR** members. All team members must participate and contribute to the assignment to ensure the project can be delivered successfully according to the period given.

ONLINE LEARNING SUBMISSION

1. Submit list members name in "PROJECT REGISTRATION" (due 23 December 2023).

2. Submit the following in "PROJECT SUBMISSION" (**Due: 31 January 2024**):

    a. Data in CSV format.
    b. One R document for process 3 and 4.
    c. R markdown document for producing the word document.
    d. R markdown document for producing the powerpoint presentation.
    e. Word document.
    f. Powerpoint presentation.

3. PRESENTATION: Using powerpoint presentation that was produced earlier, prepare 5 minutes multimedia presentation (video) that contain the introduction, problem statement, findings and conclusion. Upload the video to youtube and copy the URL to word document. Upload the word document to "YouTube URL link Submission" (**Due: 31 January 2024**).