The purpose of this assignment is to apply the knowledge acquired throughout the course by conducting an exploratory analysis of the **"Student Performance"** dataset from the UCI Machine Learning Repository.
This dataset, which aims to predict student performance in secondary education (high school), was obtained from https://archive.ics.uci.edu/dataset/320/student+performance, where detailed information regarding the variables and their descriptions can be found.

The objective of this assignment is to conduct an **exploratory data analysis (EDA)** in which you formulate several meaningful questions and answer them using appropriate **data visualization and summary techniques**.

It is essential that:

1. You apply all the visualization techniques covered in the course (at least one **bar chart**, **histogram**, **boxplot**, and **scatter plot**), as well as at least one **data summarization technique**.
2. The chosen techniques are applied **appropriately according to the type of variable** (for instance, a histogram is not suitable for categorical data).
3. The graphics are **visually appealing**, with properly defined **axis labels, titles, and legends** (where applicable).
4. Each question is **clearly formulated**, and the corresponding answer includes a **well-explained interpretation** of the visual or summary technique used.
5. Attention is paid to the **clarity and quality** of both the **script** and the **written report**.

The assignment will be evaluated according to the **grading rubric provided in the attached Excel file**.

The student(s) must submit:

- A **clean and well-commented R script** that can be executed without modification (apart from setting the working directory).
- A **report of no more than four sides (two pages)**. The report does **not** require a cover page, but it must **clearly indicate the names of both students** who completed the work.