Assignment 9

Task 1: Count the number of students in each group and make a table.

Task 2: Classify the students into two groups based on their age.

Task 3: Determine the average age of students in each group.

Task 4: Identify any outliers in the data.

Task 5: Create a histogram to represent the age distribution among students.

Task 6: Calculate the standard deviation of the age data.

Task 7: Conduct a hypothesis test to determine if there is a significant difference in age between the two groups.

Task 8: Interpret the results of the hypothesis test.

Task 9: Write a report summarizing the findings and implications of the study.

Task 10: Propose potential solutions based on the analysis.

Task 11: Develop a data collection plan for future studies.

Task 12: Reflect on the methodology used and suggest areas for improvement.

Task 13: Present the findings to a group of peers and receive feedback.

Task 14: Revise the report based on feedback from peers.

Task 15: Submit the final version of the report along with a presentation slide deck.