<u>REFLECTION</u>

After I finished my Probability & Statistical Data Analysis (PSDA) Project 2, I felt rewarded for the valuable knowledge and experience. As a group project, my group member and I worked hard to ensure the project could be completed on time and fulfil our satisfaction and the lecturer's requirements. Through this, I have developed teamwork skills when leading and working with the group to complete the project.

In this project, it helps to enhance my understanding of statistical analysis skill and its practical applications. First, I learnt the importance of choosing suitable dataset which needs to match with the requirement of each analysis test used. If not, it will be a critical problem when doing data analyses which lends to failure of getting the results. I have learned to use different test analyses such as hypothesis testing, correlation, regression and ANOVA to perform different type of data analyses. Through this, I know that gender and age will not affect GPA of students while study time weekly have a weak positive relationship with GPA of students and also dependent on GPA of students. Besides, as we have to use large sample size to do analysis, we tend to learn to use RStudio for our calculation and graph plotting. It helps me to develop technical skills in writing code and also interpreting output displayed.

Overall, this project has provided a solid foundation for future data analysis, planning, execution, and interpretation of statistical analyses. This experience has not only equipped me with valuable analytical skills but also reinforced the significance of using statistical evidence to support conclusions.