

QUA107 (SPSS assignment)

For this assignment, you are required to collect the following data from 30-40 students:

Variables required:

Name – Major - Marital status - Age - Income - Saving – Expenditure

- 1- Frequency table **(For all variables)**
- 2- Sort data by ascending order **(For the expenditure)**
- 3- Draw pie charts **(For the marital status and major)**
- 4- **Draw bar charts for the following:**
 - a. Number of those Married vs Single
 - b. The average of expenditure based on the major
 - c. The average of expenditure based on marital status
 - d. Cumulative frequency **of age**
- 5- Draw a histogram **(For the expenditure)**
- 6- Draw stem and leaf **(For the expenditure)**
- 7- Draw scatter diagram **(comparing the income and expenditure)**
- 8- Draw a box plot for the expenditure
- 9- Draw a box plot for the expenditure according to the major
- 10- Find the following:
 - a. mean
 - b. standard deviation
 - c. variance
 - d. range
 - e. quartiles
 - f. 10th percentile