



"Investing in Africa's Future"

COLLEGE OF BUSINESS, PEACE, LEADERSHIP AND GOVERNANCE

NMEC 104: STATISTICS FOR ECONOMISTS

END OF FIRST SEMESTER EXAMINATIONS

NOVEMBER 2021

LECTURER: MR MANDEWO

TIME: 5 HOURS

INSTRUCTIONS

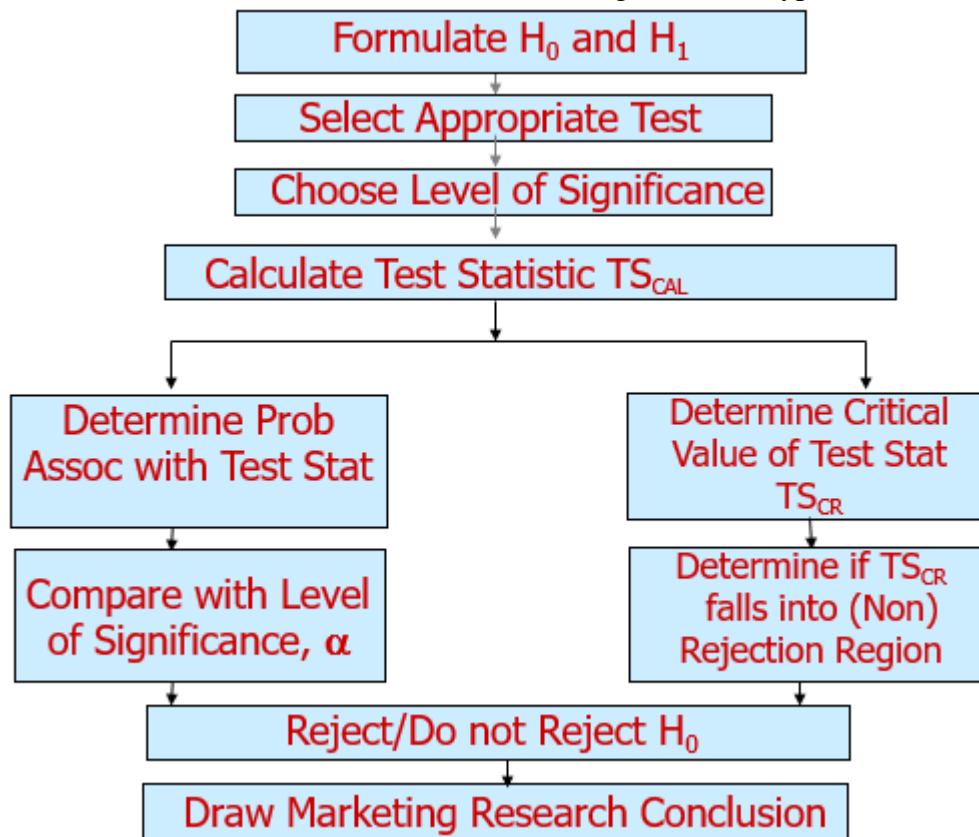
Answer one question. Total possible mark is 100.

Start each question on a new page in your answer booklet.

The marks allocated to each question are shown at the end of the question.

Credit will be awarded for logical, systematic and neat presentations.

1. The table below demonstrate the schematic building blocks of hypothesis testing.



You are required to use a practical example to demonstrate the process. Ensure that you capture other variations that your example may fail to cover. **[100 Marks]**

2. Measures of central tendencies and measures of dispersion would assist a statistician to determine the subtle patterns in the data. You are required to use a data set of your own choice and explore all concepts. You are further required to show how the concepts are related. **[100 Marks]**
3. Statistical inferences can be done using the t-test, confidence interval approach and the p-value. Using your own data set demonstrate how this can be achieved and show how the three concepts are related. **[100 Marks]**

END OF EXAMINATION