**A BRIEF PRE-REQUISITE TO THE COURSE**

**Hypothesis Testing**

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| - - - | A statistical hypothesis is sometimes called confirmatory data analysis is a hypothesis that is testable on the basis of observing a process that is modelled via a set of random variables. Statistical hypothesis is an assumption about a population parameter which may be true or not true.  Hypothesis is the proposition about the presumed relation among natural phenomena. Or simply just defined as a testable belief/opinion/assumption. |

There are two types of hypothesis;

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| (i) - - -  (ii) - -  Errors | Null Hypothesis(𝐻0) |

conclude that there is not sufficient evidence to reject *H*0. In all the applied problems, interpret the meaning of your decision.

vi)State any assumptions you made in testing the given hypothesis.

vii)Compute the *p*-*value* from the null distribution of the test statistic and interpret it.