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MATRIC NO: 17/MHS01/181

DEPARTMENT: PHYSIOLOGY

LEVEL: 300

HYPOTHESIS TESTING

1. Hypothesis may be defined in a simple way as a statement about one or more population set up for the purpose of being discredited or approved. Hypothesis testing on the other hand is the testing of these statements to assist administrators, clinicians and researchers in making wise decisions which usually depend on the statistical decision.
2. The critical value approach for hypothesis testing are the values of the test statistic that separate the rejection and non rejection regions while the P value approach for hypothesis testing is a number that tells us how unusual our sample results are, given that the null hypothesis is true. The p value is the smallest value of level of significance for which we can reject a null hypothesis.
3. The importance of hypothesis testing in research is to help or assist the researchers in making wise decisions which usually depends on the statistical decision.