HYPOTHESIS TESTING AND ITS TYPES

**HYPOTHESIS TESTING**

It is a method for testing a hypothesis about a parameter in a population, using data in a measured sample.

**TYPES AND ITS USES**

1. Normality- finding normal distribution
2. T -test- to find the population mean when the sample is less than 30
3. Chi- square test for Independence- significance in two categorical variable
4. Homogeneity of variance- similarity in two or more samples
5. Analysis of variance- compares the means of three or more factors by sample variance
6. Mood’s Median- compares the medians of two or more samples
7. Welch’s T-test- for equality of means between two samples
8. Kruskal- Wallis H test- compares two or more groups with an independent variable
9. Box-cox power transformation- helps to follow normal distribution