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1. Hypothesis testing:

Hypothesis can be defined as an assumption based on observation of a particular process about one or more population that can be tested for the purpose of being approved or discredited

Hypothesis testing is a method where an analyst tests an assumption based on population test results. It calculates some quantity under a given assumption and the result of the test allows for the interpretation of whether the assumption is approved or credited or not. The particular hypothesis testing methodology used by the analyst depends on the nature of the data used and the reason for the analysis.

2. The P-Value is based on the probability of obtaining a test statistic and requires only one a value for the test to be completed while a critical value is based on the standard score such that the area in the opposite side of the critical value from zero and also needs a test statistics as well as the corresponding critical value. Also, a P-value method

3. The importance of Hypothesis testing in research include

- drug testing for viruses or diseases before they are used

-assessment of facts of a particular hypothesis