

Reporting Of Hypothesis Testing: p-Value Approach

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Abstract

Hypothesis testing enables the decision making based on the evidences produced by the test procedure. One of the important aspect of hypothesis is that the decision maker is not the eye-witness to the experiment/event happened. Since every decision taken in hypothesis testing is subject to an error in judgement and its consequences, the impact of the wrong decision depends on the nature of the problem. The present paper explains the importance of p-value in the decision making in hypothesis testing. The study illustrates how we should state the Null & Alternate hypothesis and interpret the decision making the context of the problem. The study shows that one should be very alert while selecting the level of significance in the context of given problem.

Keywords: Criminal Trial, Hypothesis, Parameter, Test statistic, Critical region, Critical value, p-value, Level of significance (I.O.S.).
