PARSHWANATH CHARITABLE TRUST'S

A.P. SHAH INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering **Data Science**



Subject: Statistice for AILDS

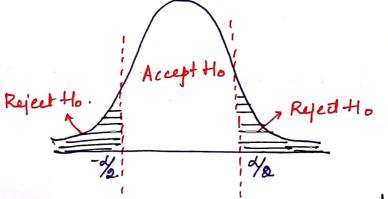
Academic Year: 2023 2024

TWO TAILED HYPOTHESIS AND ONE - TAILED HYPOTHESIS.

Two-Toiled Hypotheris:

A test of a hypothesis, where the area of rejections is on both sides of the sampling distribution is called a two-tailed text

If we are using a significance level of 0.05, a twotailed feil allots half of alpha (1/2) to test the statistical eignificance in one direction and half of the alpha (-0/2) to tell statistical significance in the other direction.



Two-tailed hypothesis when H=X

One- Tailed Hypothesis:

A tert of a statistical hypothesis, where the area of rejection is on only side of the sampling distribution is called one tailed test.

If we are using a significance level of 0.05, a one tailed test allots all lot alpha (x) to test the

Subject Incharge: Prof. Sarala Mary Page No. 31

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