Introduction to Statistical Method

Hypothesis Testing

A second major statistical method for gaining information on a probability.

The goal is to reject or fail to reject statements (hypotheses) based on statistical data.

Hypothesis Definition

A statement about a population parameter called heta. The hypothesis will compare heta to a null value donated $heta_0$.

Fisher's Null Hypothesis Test

This hypothesis will be donated by H_0 and is null hypothesis.

Three forms:

• $H_0: \theta = \theta_0$

• $H_0: \theta \leq \theta_0$

• $H_0: \theta \geq \theta_0$

A hypothesis test is based on rejecting a hypothesis.