

Hypothesis Testing Chart

Always Identify The Claim, Look For Keywords

Traditional Method Chart

When Computed Test Statistic Is In	Then	And	We Should
Non-Critical Region	H_0 is valid	H_1 is invalid	Support H_0 and Reject H_1
Critical Region	H_0 is invalid	H_1 is valid	Reject H_0 and Support H_1

P-Value Method Chart

When P-Value Is	Then	And	We Should
Greater Than α	H_0 is valid	H_1 is invalid	Support H_0 and Reject H_1
Less Than Or Equal To α	H_0 is invalid	H_1 is valid	Reject H_0 and Support H_1

Confidence-Interval Method Chart

Use $(1 - 2\alpha)100\%$ Confidence Level Whenever Performing Only One Tail Test.

When the parameter Is	Then	And	We Should
within the C.I.	H_0 is valid	H_1 is invalid	Support H_0 and Reject H_1
not within the C.I.	H_0 is invalid	H_1 is valid	Reject H_0 and Support H_1