

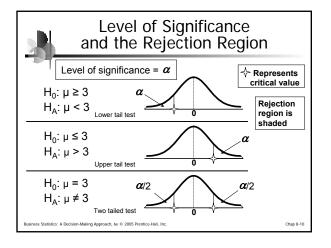


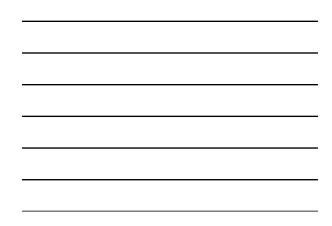


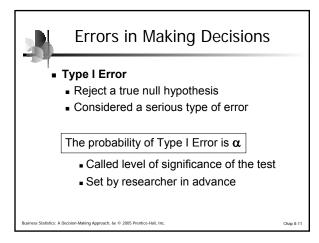
- Defines unlikely values of sample statistic if null hypothesis is true
  - Defines rejection region of the sampling distribution
- Is designated by  $\alpha$ , (level of significance)
  - Typical values are .01, .05, or .10
- Is selected by the researcher at the beginning
- Provides the critical value(s) of the test

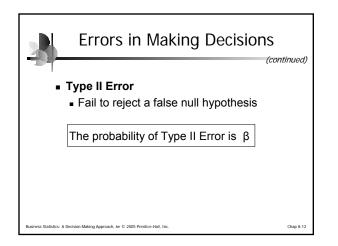
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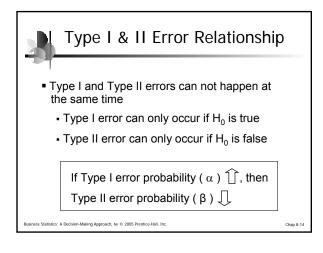


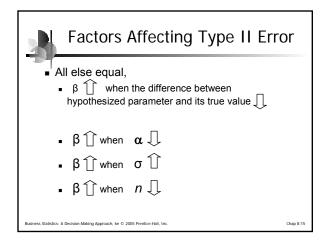


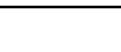


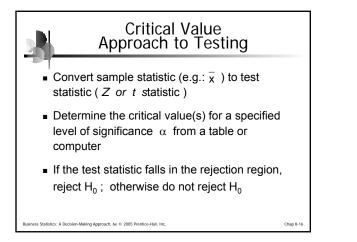
Outcomes and Probabilities			
Possible Hypothesis Test Outcomes			
		State of Nature	
Key: Outcome (Probability)	Decision	H₀ True	$H_0$ False
	Do Not Reject <b>H</b> ₀	No error (1 - α)	Type II Error (β)
	Reject <b>H</b> ₀	Type I Error (α)	No Error (1-β)
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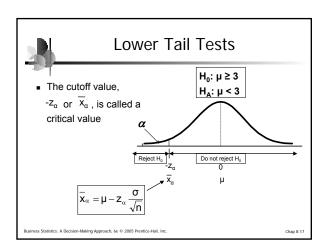




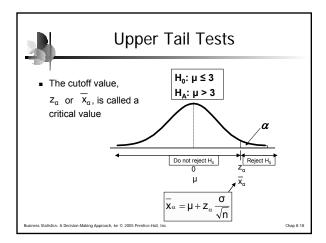


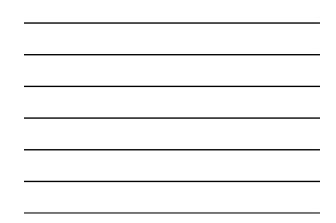


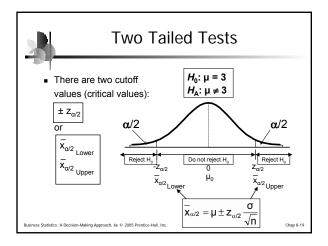




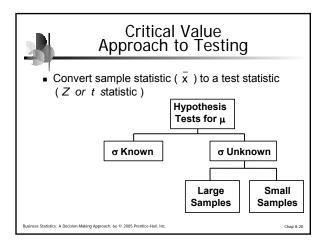




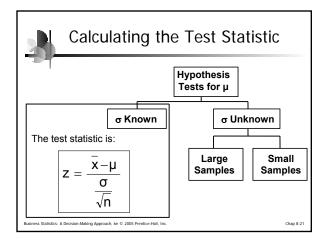




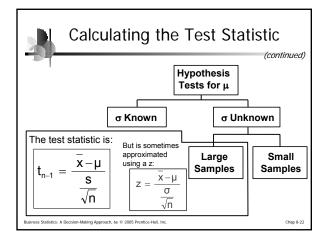




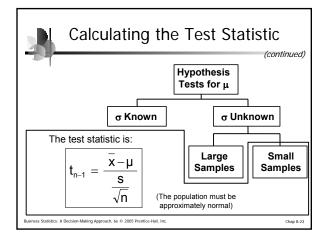




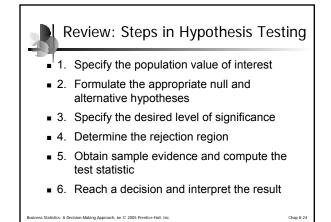


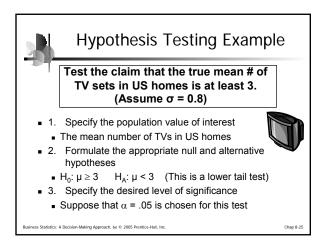


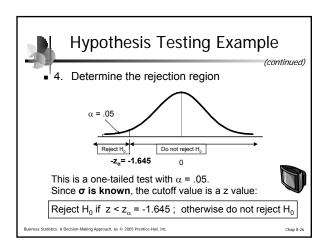




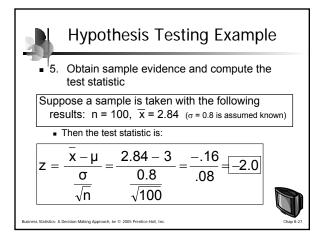




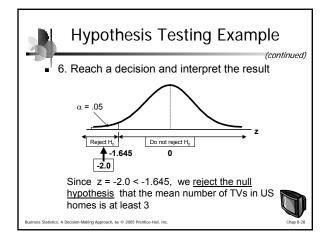


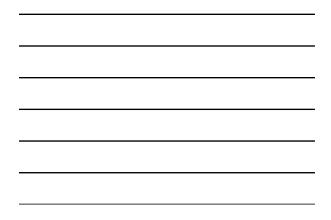


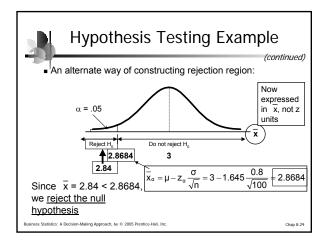




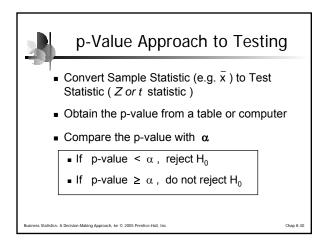




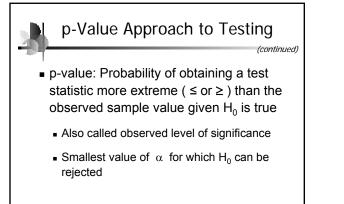








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