| 8.1 Hypothesis and Test Procedures. |
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| - Define: |
| - Define: Null Hypothesis (Ho): Claim that is initially accuracy (-) - force |
| assumed to be true |
| Alternative Hypothesis (Ha): Contradictory to Ho. |
| - Define: |
| - Define: If P-value ≤ 2, Then Ho will be rejected in favor of Ha. |
| of Ha. |
| of Ha. If P-value > 2, Ho fails to be rejected. |
| |
| · P-volue is a probability |
| - Note: • P-value is a probability • This probability is calculated assuming Ho is true. |
| is true. |
| · Smaller 1-16lie, Stronger is the Evidence |
| against Ho. |
| · Error in Hypotheis Testing |
| - Tupe I error: Rejecting Ho white it is true |
| · Error in Hypotheis Testing - Type I error: Rejecting Ho white it is true. Type II error: Fail to reject the when it is false |
| - OI |
| · Proposition: |
| The test procedure that rejects to if P-value = 2 and otherwise does not reject to |
| P-value = 2 and otherwise does not reject Ho |

has PCtype I error) = 2