

## One Sample Tests About Binomial Probabilities

## The Location Of the Population

## One Sample Tests About Multinomial Probabilities

## The P-value

Reject  $H_0$ : P-value  $< \alpha$

## Hypothesis Testing Left Sided

$H_0: p > p_0$ ,  $H_a: p < p_0$

Critical Region: Reject  $H_0$ : if  $X < c$

Pvalue:  $P(X < x_0 | p = p_0)$

## Hypothesis Testing Right Sided

$H_0: p < p_0$ ,  $H_a: p > p_0$

Critical Region: Reject  $H_0$ : if  $X > c$

Pvalue:  $P(X > x_0 | p = p_0)$



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Not published yet.  
Last updated 3rd February, 2018.  
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