

Objective 17: One-Sample Z-Test: Creative Course Completion vs 50%

Hypothesis:

$H_0: p = 0.50$

Statistical Test:

One-Sample Z-Test for Proportions

Visualization:

p-value: 0.0882

Results:

Metric	Value
p-value	0.088201
z-statistic	-1.7050

Interpretation:

NOT SIGNIFICANT ($p=0.0882$): Insufficient evidence to reject H_0 .