

Decision rule (2):

REJECT H_0 IF $Z_{TEST} > 1.65$

Test statistic (4):

$$Z_T = \frac{.7 - .6 - 0}{\sqrt{(.64)(.36)\left(\frac{1}{100} + \frac{1}{150}\right)}}$$

$$\hat{P}_F = \frac{70}{100} = .7$$

$$\hat{P}_N = \frac{90}{150} = .6$$

$$P_{COMBINED} = \frac{70+90}{100+150} = .6$$

$Z_T = 1.614$

Make a decision and interpret the results (2):

Do not reject H_0
There is NO difference between
FULLTIME AND PART-TIME.

FULLTIME
SHOULD NOT
BE
TARGETED

What is the p-value? (3)

p-value = .053

Question 5.

Subject	With Aspirin	Without Aspirin
1	12.3	12
2	12	12.3
3	12	12.5
4	13	12
5	13	13
6	12.5	12.5
7	11.3	10.3
8	11.8	11.3
9	11.5	11.5
10	11.0	11.5