

What is the p-value? (3)

$(.1 \times 2)$

$p\text{-value} > .2$

$(\text{Actual } p\text{-value} = .475)$

Question 6

Consulting Salaries (\$000)	NonConsulting Salaries (\$000)
61.6	64.2
63.6	54
69.8	64.8
67.1	57.8
75.3	63
62.3	58.8
70.4	63.6
56.2	79.7
69.7	50.1
56.4	57.2
69.7	43.8
75.6	48.6
54.2	
74.4	
68.1	

Previous history shows that MBA's working in consulting earn \$2,000 more a year than those who don't. Some recruiters believe the gap has increased. Here is a random sample of some MBA graduates and their annual salaries. The distributions of MBA consulting and nonconsulting salaries are normal and have the same variance. Use a .05 significance level.

Null hypothesis (2):

$H_0 \mu_{\text{CONSULTING}} - \mu_{\text{NON}} = 2000$

Alternate hypothesis (2):

$\mu_{\text{CONSULTING}} - \mu_{\text{NON}} > 2000$