

$$\text{Upper bound} = 0.20 + 0.0784 = 0.2784$$

$$95\% \text{ CI} = (0.1216, 0.2784)$$

I am 95% confident that the percent of those who were in military were between 12.16% and 27.84%.

Hypothesis testing

$$\alpha = \frac{0.05}{2} = 0.025$$

$$H_0: p = 0.20 \quad p = .50$$

$$H_1: p \neq 0.20 \quad p \neq .50$$

P values less than 0.05

Conclusion

In conclusion we fail to reject null hypothesis. Therefore, there is no statistical enough evidence to conclude that the proportion of those who went to military were different from those who did not.