

Project One  
The Nature of a Statistical Test with Chi-square Testing  
Form 8

Your study is to determine whether lower-classmen and upper-classmen (i.e. freshmen-sophomore versus junior-senior) students respond differently to the question Q: *Should the death penalty be used more often?*

Test the null hypothesis that there is no significant difference between upper-classmen and lower-classmen at Northern Illinois University in their response to Q. Let the level of significance be  $\alpha = 0.005$ .

	Freshman	Sophomore	Junior	Senior
Yes	41	17	20	19
No	64	28	24	30
No Opinion	19	7	13	10

See page340 for the guidelines on the project. Skip parts 2. and 3. There are also sample calculations and a sample write up of a similar problem on the website.