**SPSS ASSIGNMENT #8**

**Chi-Square**

1. Enter the data in Chapter 17 Data Set 2 (p. 387). Test the question that an equal number of boys (code = 1) and girls (code = 2) participate in soccer at the elementary level at the .01 level of significance. Compute the exact probability of the chi-square value. What’s your conclusion? Copy and paste your results below.

|  |  |  |  |
| --- | --- | --- | --- |
| **Gender** | | | |
|  | Observed N | Expected N | Residual |
| Male | 45 | 50.0 | -5.0 |
| Female | 55 | 50.0 | 5.0 |
| Total | 100 |  |  |

|  |  |
| --- | --- |
| **Test Statistics** | |
|  | Gender |
| Chi-Square | 1.000a |
| df | 1 |
| Asymp. Sig. | .317 |
| a. 0 cells (0.0%) have expected frequencies less than 5. The minimum expected cell frequency is 50.0. | |