Chi-Square HPS-200

Dr. Gwen Morse Slide 1

Using Statistics to Compare

or Contrast Descriptively

Slide 2

Chi-square Test

* Used with nominal data
* Tests for differences between frequencies expected if groups are alike, and frequencies actually observed in the data

Chi-Square HPS-200

Dr. Gwen Morse

Slide 3

|  |  |  |  |
| --- | --- | --- | --- |
| Male | 35 | 15 | 50 |
| Female | 10 | 40 | 50 |
| Total | 45 | 55 | 100 |

Slide 4

Example of Chi-square Table

Regular No Regular

Exercise Exercise Total

Chi-square Results

* Indicates that there is a significant difference between some of the cells in the table
* The difference may be between only two of the cells, or there may be differences among all of the cells.
* Chi-square results will not tell you which cells are different.

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Slide 5

Chi-square Results

• 2 = 4.98, df = 2, p = .05