

STA 205 STATCRUNCH CHI-SQUARE EXAMPLE

The data for this example are from Exercise 1, page 503 of the text.

To obtain the value of the test statistic and its p value do the following:

Stat ► **Tables** ► **Contingency** ► **with summary**
Select columns for table: **Diagnosed**
Undiagnosed
Nonalcoholic
Row labels in: **Null**
Next ► Display the following: Check: **Expected Count**
Calculate

Contingency table results:

Rows: null

Columns: None

Cell format
Count
Expected count

	Diagnosed	Undiagnosed	Nonalcoholic	Total
Married	21 33.14	37 41.43	58 41.43	116
Unmarried	59 46.86	63 58.57	42 58.57	164
Total	80	100	100	280

Statistic	DF	Value	P-value
Chi-square	2	19.720984	<0.0001

Also complete Exercise 1, Section 12.2 on page 509 of the text.