

Here's how to do a chi-square test on the TI-83:

1. Find the MATRX button (2<sup>nd</sup> 1/x) and touch it.
2. Right arrow over to EDIT the matrix named A
3. Put in the row and column dimensions (the # of rows goes first, then the number of columns).
4. Then type in the data exactly as you see it in the 2-way table you're interested in..
5. When you're finished, type in QUIT (2<sup>nd</sup> MODE)
6. Type the STAT button and go to TESTS
7. Arrow down to C: Chi-square test and hit ENTER
8. Tell the calculator which matrix contains the Observed values and into which matrix you want the calculator to put the Expected values. The TI-83 chooses A and B respectively by default.
9. Arrow down to Calculate and hit ENTER to see the test.
10. Now write your interpretations based on the size of the p-value.