**Chi-Square Tests – TI Series**

 ***χ*2 – test for Goodness of Fit**

* STAT 🡪 EDIT
* Enter observed counts into L1 and expected counts into L2
* STAT 🡪 TESTS
* Select D: χ2-GOF-Test
* Make sure Observed:L1 and Expected:L2
* Enter df
* Calculate
* Make sure to write down the *χ*2 statistic, d.f., and *P*-value.

 ***χ*2 – test for Homogeneity and Independence**

****

* Repeat steps with Matrix B
* Put in # of rows X # of columns
* Enter Observed Counts
* 2nd 🡪 MATRIX
* EDIT 🡪 Select A

****

* Match your matrices with the observed and expected counts
* Calculate
* STAT 🡪 TESTS
* Select C: χ2-Test
* Put in # or rows X # of columns, but leave the counts blank

****

* If you check Matrix [B], you will now have expected counts filled in
* Make sure to write down the *χ*2 statistic, d.f., and *P*-value.

**Chi-Square Tests – HP Prime**

****

* Significance Tests are found under the Inference App.
* Select χ2 test as your method.

 ***χ*2 – test for Goodness of Fit**

****

* Select . Fill in lists
* Push Calc
* Select Expected: Count
* Select Type: Goodness of Fit

****

* Make sure to write down the *χ*2 statistic, d.f., and *P*-value.

 ***χ*2 – test for Homogeneity and Independence**

****

* Select . Fill in Table.
* Push Calc



* Make sure to write down the *χ*2 statistic, d.f., and *P*-value.
* Select Type: 2-way test

****

* If you tap on Cont, the expected counts will be shown.