**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**

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

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* 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

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* 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**

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

***χ*2 – test for Goodness of Fit**

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

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

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

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* 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

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