Social Science Statistics

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1: Type in the **names** of your categories.

Please enter category information.

Categories
Alberta
Camilla
Jimmy
Susan

2: Click "**Next**."

Please enter category information, above, then press Next.

Next

3: Type in your **Observed Frequencies**.

4: Type in your **Null Expected Frequencies**.

Frequencies Prop ns

	Observed	Expected
Albert	140	100
Camilla	60	100
Jimmy	180	100
Susan	20	100

Significance Level:

5: Click "**Calculate Chi^2**."

0.01
0.05

Please select a significance level (it defaults to p=≤0.05), then press Calculate Chi^2.

Calculate Chi^2

The Chi^2 value is: 160

	Observed	Expected	Difference	Difference Sq.	Diff. Sq. / Exp Fr.
Albert	140	100	40.00	1600.00	16.00
Camilla	60	100	-40.00	1600.00	16.00
Jimmy	180	100	80.00	6400.00	64.00
Susan	20	100	-80.00	6400.00	

6: This sentence contains your **chi-square statistic** and **p-value**.

The Chi^2 value is 160. The *p*-value is < .00001. The result is significant at $p < .05$.