

1. **Read** the description of the study
2. **Identify** all the variables
3. **Determine** if any variables have categories
4. **See** which visual representation fits the best

Variable A		
A1	A2	A3
x	x	x
x	x	x
x	x	x
x	x	x

T-test or One-way ANOVA

Variable A has categories

Each person receives a score (x) on another variable (the DV)

Asking if variable A has any effect on the DV

Variable A		
A1	A2	A3
f	f	f

Chi-square Goodness of Fit

Variable A has categories

The number of “people” falling into each category is counted

Asking if the frequencies in each category are equal OR if the frequencies you found are the same as the frequencies someone else found

Variable A	Variable B
x	x
x	x
x	x
x	x
x	x

Correlation

Variable A has **no categories** AND variable B has **no categories**

Each person receives a score (x) on variable A and a score (x) on variable B

Asking if variable A is related to variable B

		Variable A	
		A1	A2
Variable B	B1	f	f
	B2	f	f

Chi-square Contingency Test

Variable A **has categories** AND variable B **has categories**

Draw A box!

The number of “people” falling into each cell is counted

Asking if variable A is related to variable B

		Variable A	
		A1	A2
Variable B	B1	x	x
		x	x
		x	x
	B2	x	x
		x	x
		x	x

Two-way ANOVA

Variable A **has categories** AND variable B **has categories**

Draw A box!

Each person in a cell receives a score on a third variable (the DV)

Asking if variable A and variable B have any effect on the DV