BEFORE STARTING A TEST OF SIGNIFICANCE - Means

Before starting the procedure, assemble the sample data in a single column and calculate the following:

Sample mean $\bar{X}$ (using Excel's "average" formula) and the sample standard deviation S_X (using Excel's formula "STDEV.S").

Select a null hypothesis value (μ_0) (the assumed value of the population mean to which the sample mean will be compared).

Select a significance level % (α) (usually between 1% to 10%).

Lastly, you will need the name of the population, and quantitative variable.

EXAMPLE DATA:				
$\bar{X}$ = $93.54	**S_X = 22.3**	**μ_0 = $89.00**	**α = 5%**	**n = 36**
Population	**Female Granada Hills Charter High School students**			
Quantitative Variable	**Amount spent on shopping in the last month ($Dollars)**			

RETURN *to Example Step One*