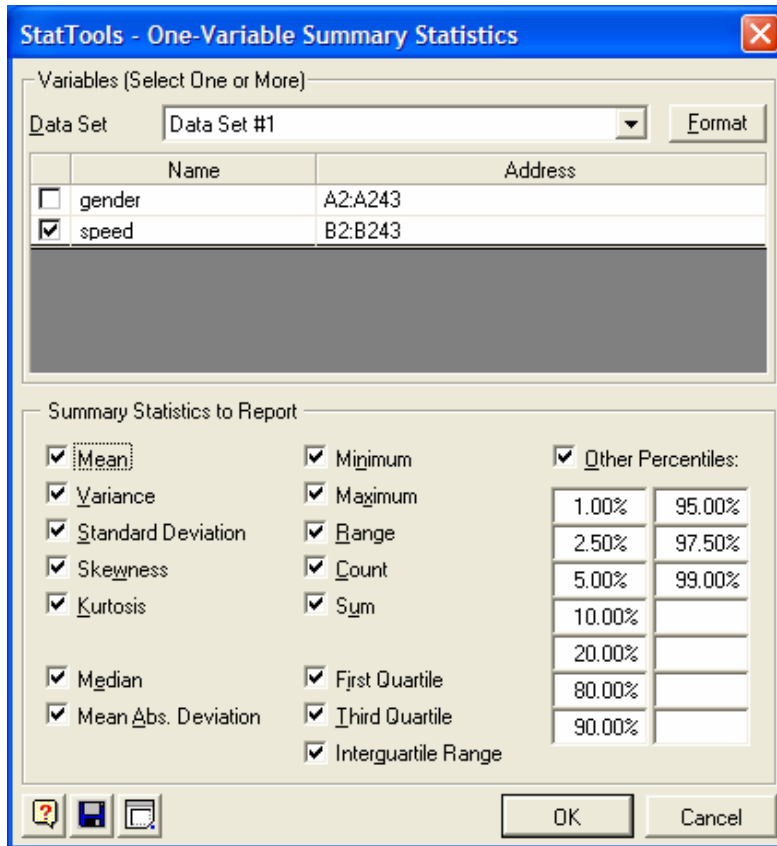


Summary Statistics:

Single numerical variable: To find get Excel to give you the summary statistics, go to the following dropdown menus: **StatTools** → **Summary Statistics** → **One-Variable Summary** → Check the box to the left of the correct variable. The default is get all summary statistics. This is usually best. To finish, click **OK**. You can delete lines in the output that aren't of interest to you.

The output from StatTools



<i>One Variable Summary</i>	<i>speed</i> Data Set #1
Mean	106.78
Variance	326.99
Std. Dev.	18.08
Skewness	1.0680
Kurtosis	5.4360
Median	101.00
Minimum	55.00
Maximum	187.00
Range	132.00
Count	242
Sum	25840.00
1st Quartile	95.00
3rd Quartile	120.00
Interquartile Range	25.00
1.00%	80.00
2.50%	80.00
5.00%	85.00
10.00%	90.00
20.00%	90.00
80.00%	120.00
90.00%	125.00
95.00%	140.00
97.50%	145.00
99.00%	169.00

Summary measures when testing association between a categorical explanatory variable and a numerical response variable.

Follow the above directions. Then, after you click on **One-Variable Summary Statistics**, click the **Format** button. This will give you 2 boxes to the left of each variable. Check the **Cat** box next to the categorical explanatory variable and check the **Val** box next to the numerical response variable. An example is given below. To finish, click **OK**.

