How to create 95% Error Bars in Excel

1. Create T-test output
2. Add line for standard deviation. (=sqrt (variance)
3. Margin of error (=confidence.t(.05,std dev, observations))
4. Calculate upper and lower limits (mean plus margin of error for upper)
5. Highlight labels and means Control C to copy
6. Insert bar chart
7. Highlight chart (frame with circles)
8. Click design tab
9. Add Chart Elements/Error bars/more error bar options.
10. Select custom
11. Click on box that says specify values.
12. Highlight margin of error for both bars.
13. Use both margin of errors for both boxes.
14. Be sure to label the axes and to explain that the error bars represent 95% confidence intervals.