ANSI Z1.4 Random Number Generator

This software is being distributed freely with no guarantees or warrants.

The program is intended for use in conjunction with ISO, ASQC and ANSI standards and tables.

The program itself is in simple Microsoft® VBA and can be disassemble, although it is not recommended.

System Requirements:

Windows 7©® (recommended), but can use XP or newer.
Microsoft Office® 2007 or Newer or Excel Revision 11 or newer.
WinZip®

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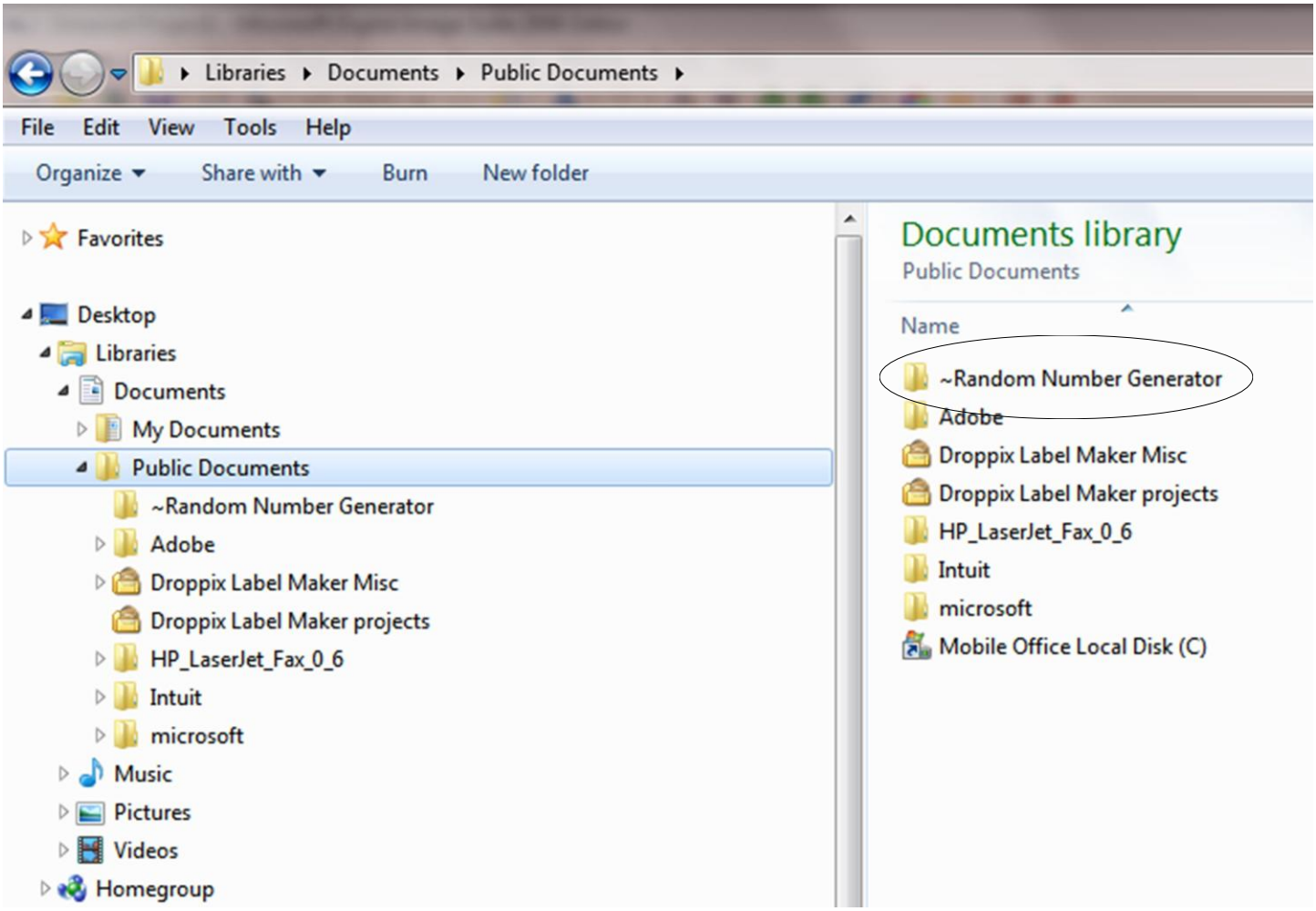
Getting Started –

DO NOT OPEN YOUR OFFICE PROGRAM UNTIL INSTALLATION AND SET UP IS COMPLETE.

Download Zipped file to your "My Documents" folder, if you're not sharing and in the "Public Documents" folder if you intend to share on a network, then unzip as shown:



Once unzipped and you're ready for the next step, double-click the ~Random Number Generator folder to open the folder.

It should appear as follows:

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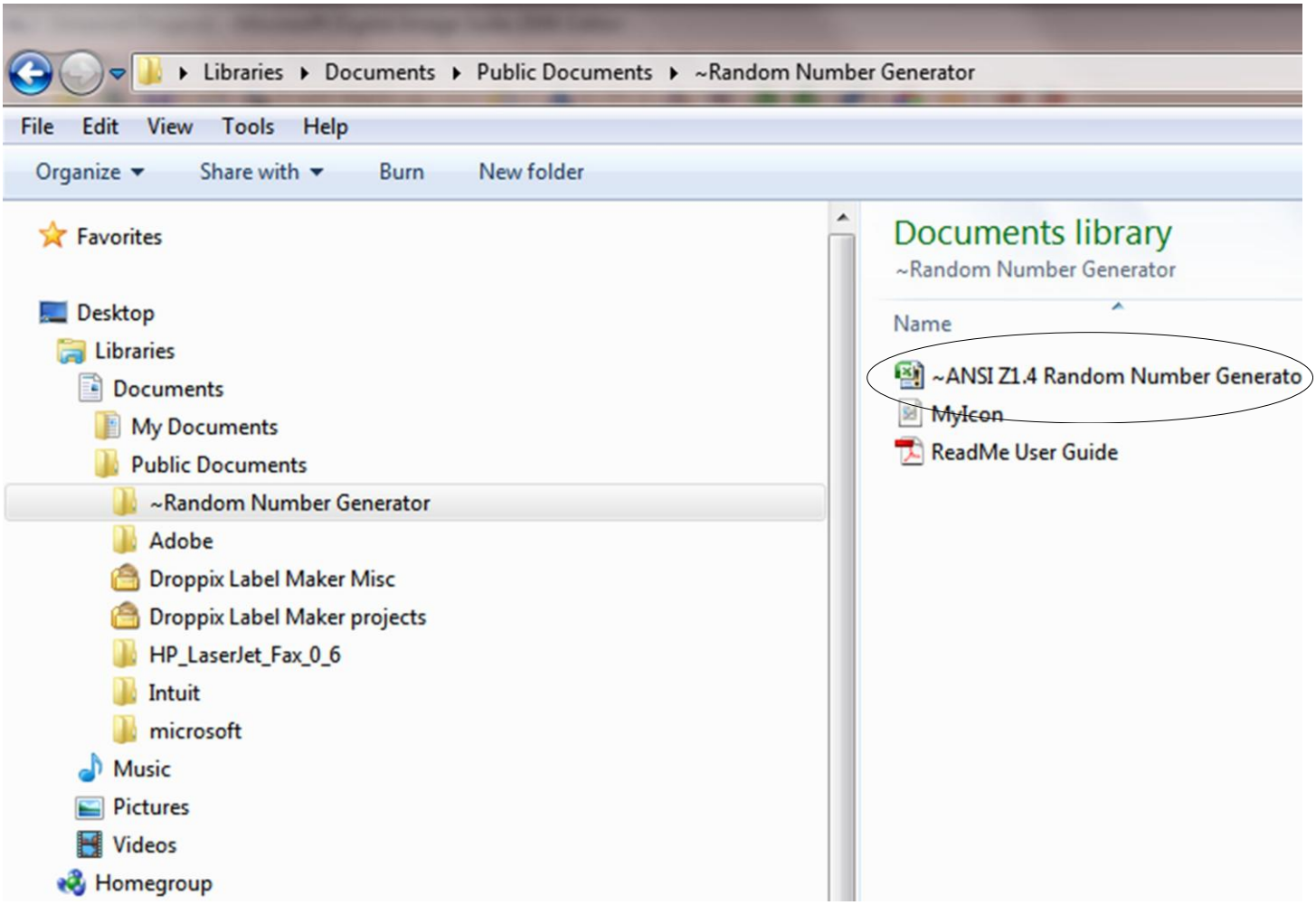
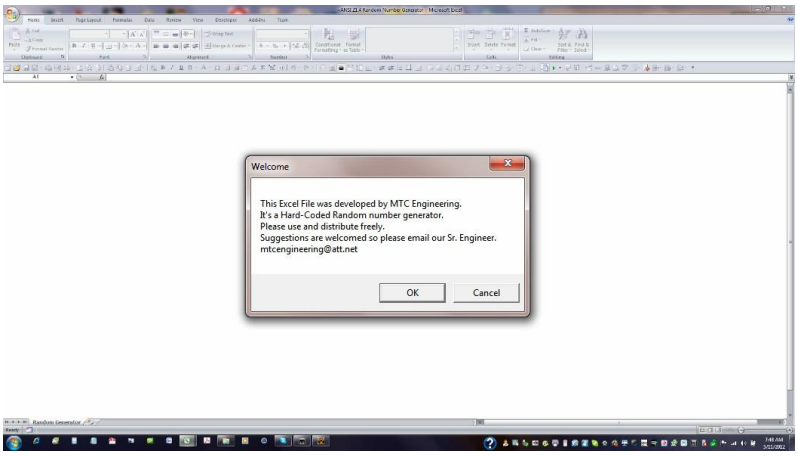


Next, double click the Excel icon/program. (An intro screen will appear.)



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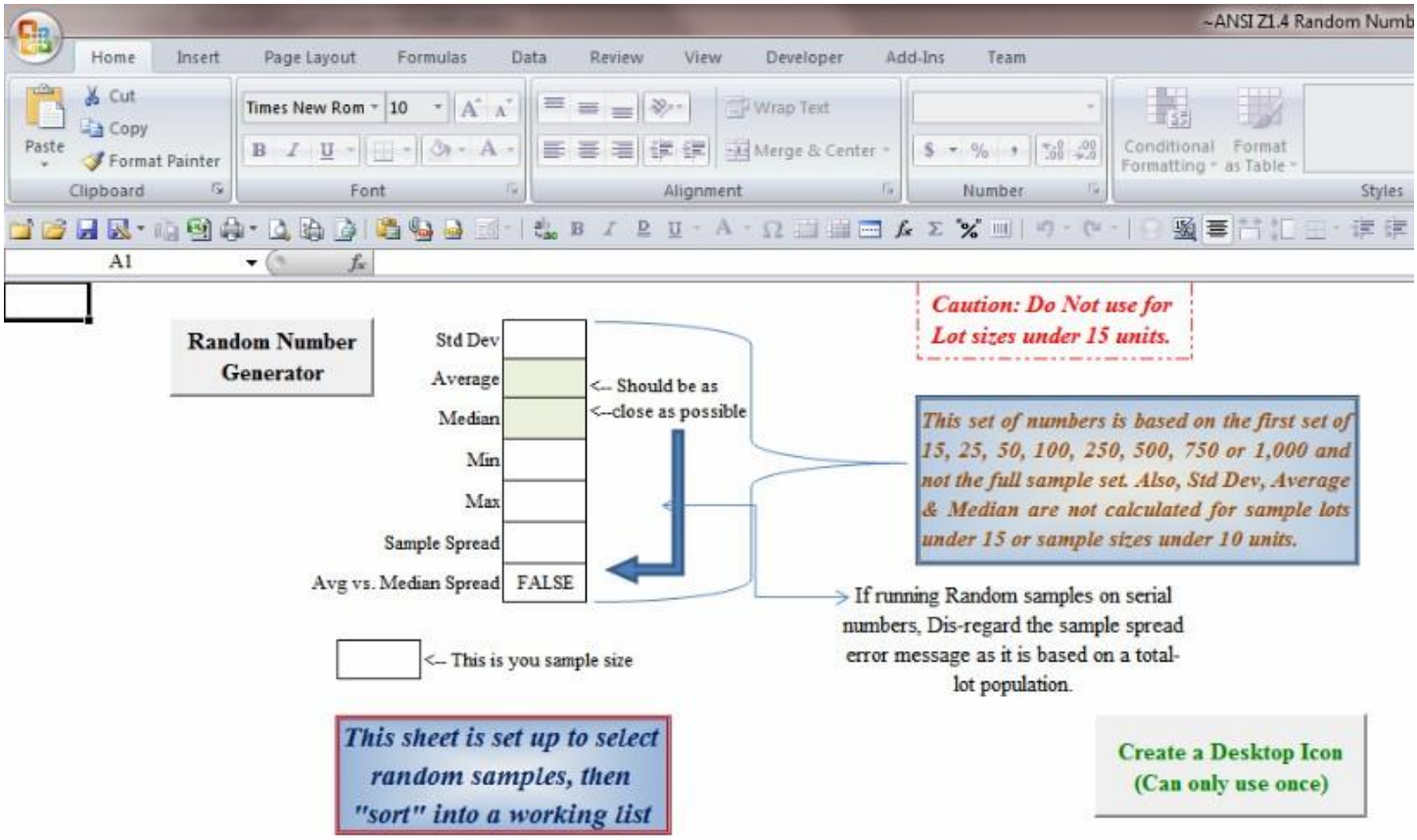
The excel workbook will then appear as follows:



Setting up the office environment

This section may or may not be applicable.

If your Office program is already “Macro Enabled”, then skip to Using the Program.

If not, we’ll have to set your Office program to allow the script and macros to work in this workbook.

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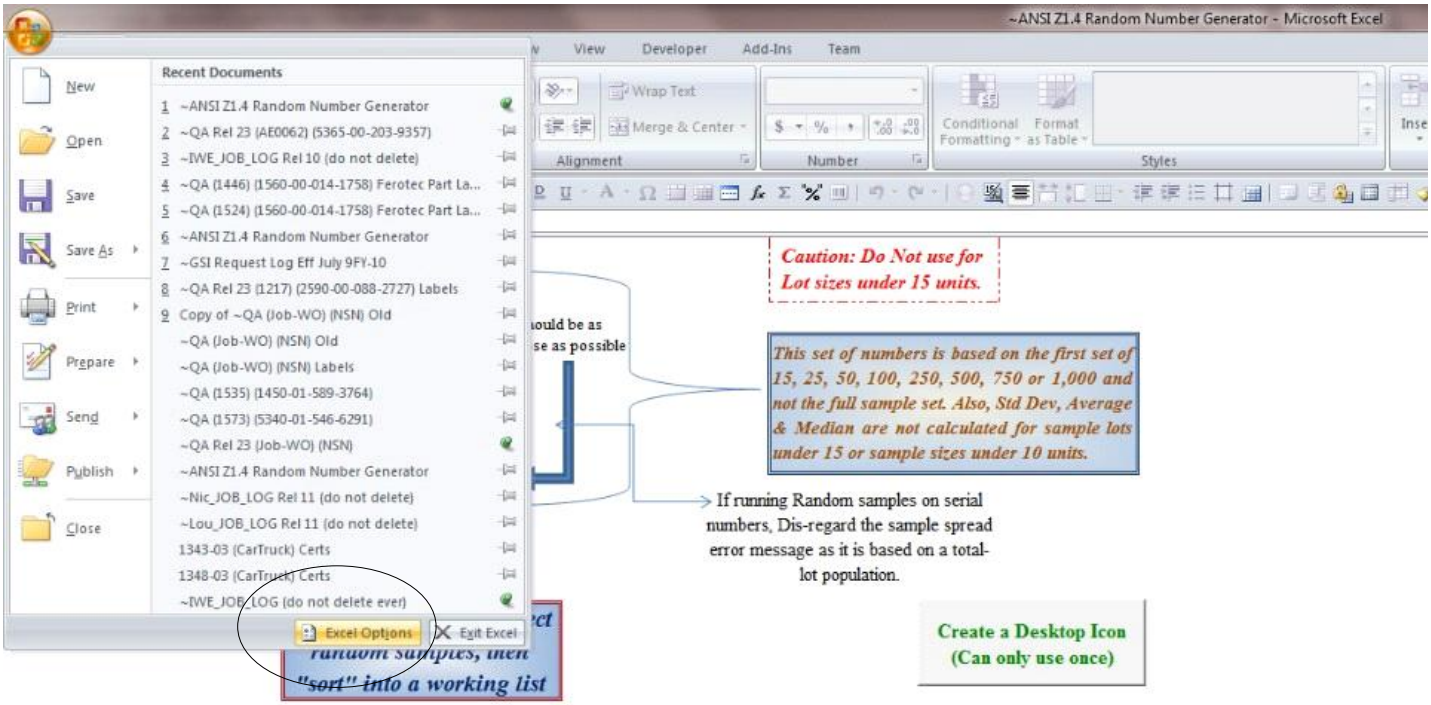
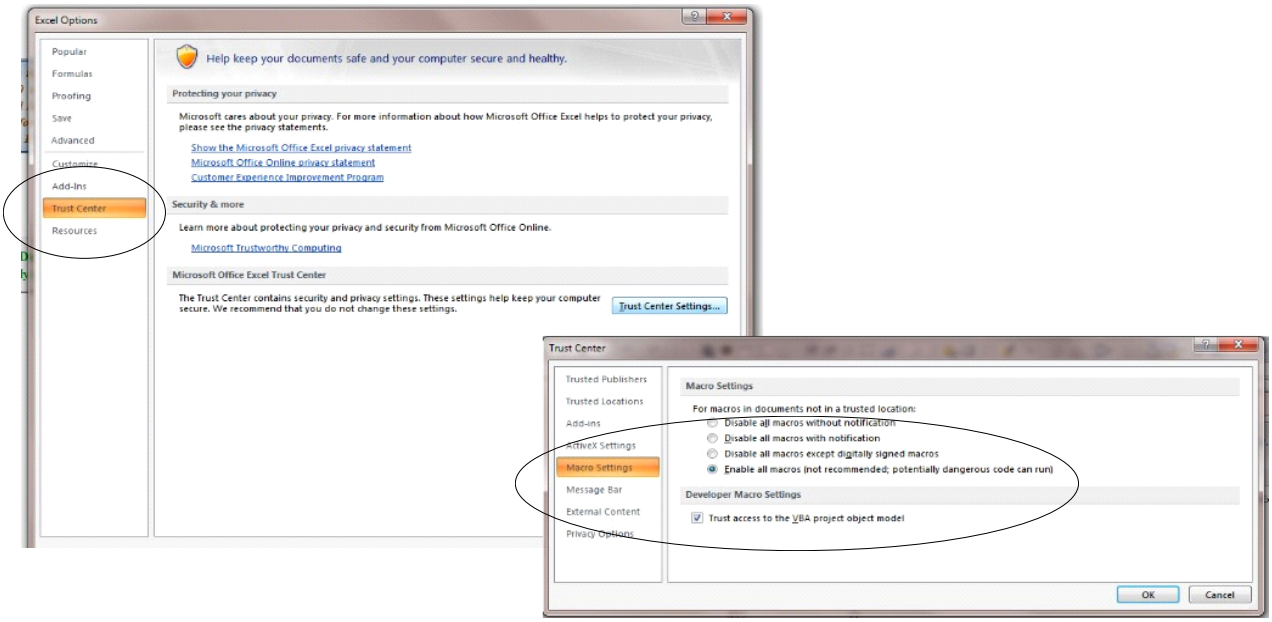
First go to the Office upper-left logo to get to the Excel Options as shown below.



Next, open the Excel Options as shown below and next click the Trust Center Setting and select Enable Macros.



NOTE: If you are concerned about having macros enabled, you can select option #2 and check the Developer Macro Settings box. This will notify you of any excel workbooks that contain macros and will give you the option to say yes or no.

In addition, if you're office savvy, you can add this location to your trusted locations.

Once settings have been selected, click the "OK" button and now you're ready to start using the program.

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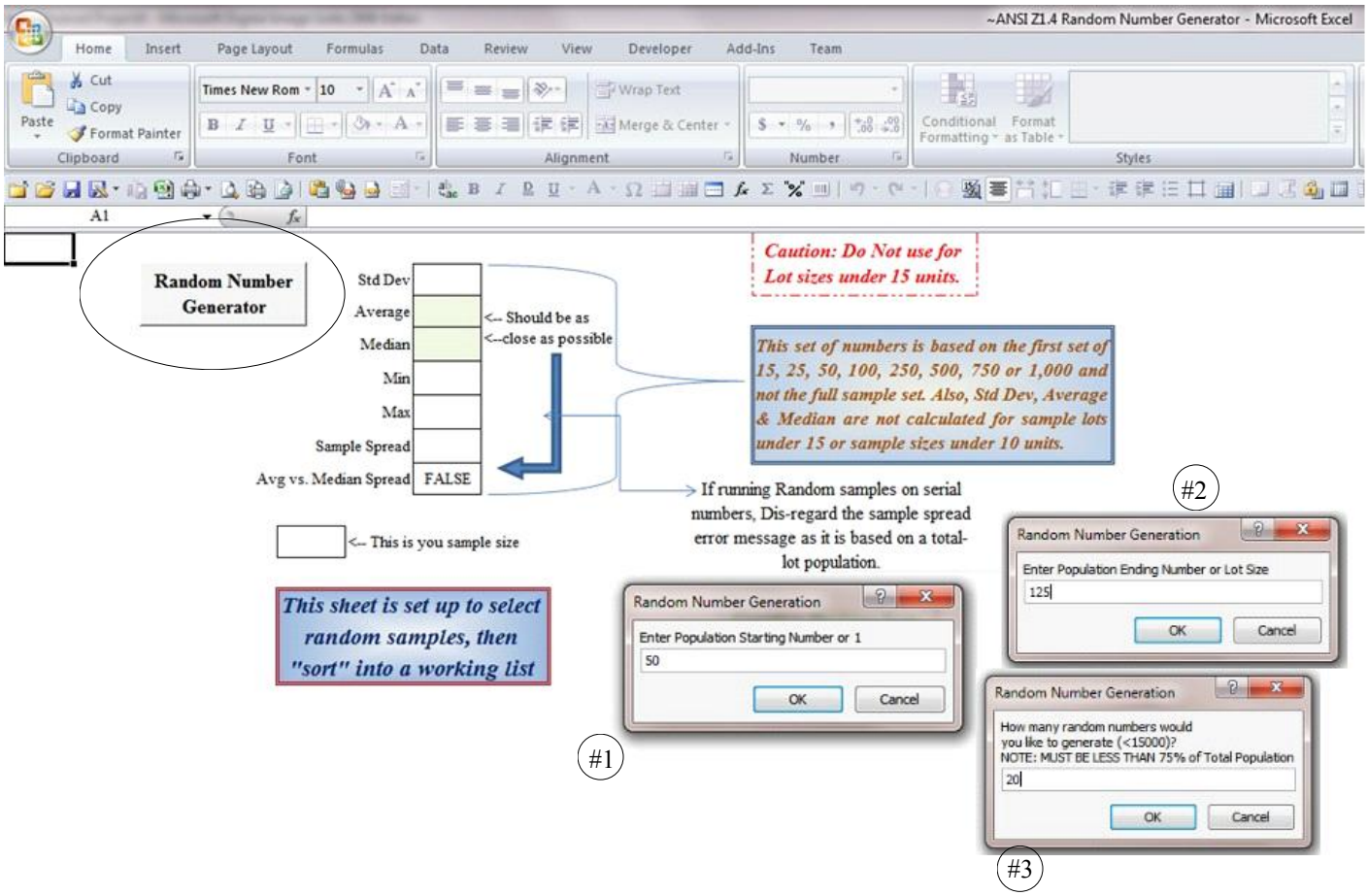
Using the Program

Now you can click the Random Number Generator button.



First you'll see popup #1, the starting number. You can leave the default (1) or if you're working with serialized items, you can enter the first serial number in #1 popup. (CAUTION: ALL ENTRIES MUST BE WHOLE NUMBERS ONLY AND WILL ERROR OTHERWISE.)

Next enter your ending number in popup box #2 and end with entering the number of sample you want to pull in the final popup box #3.

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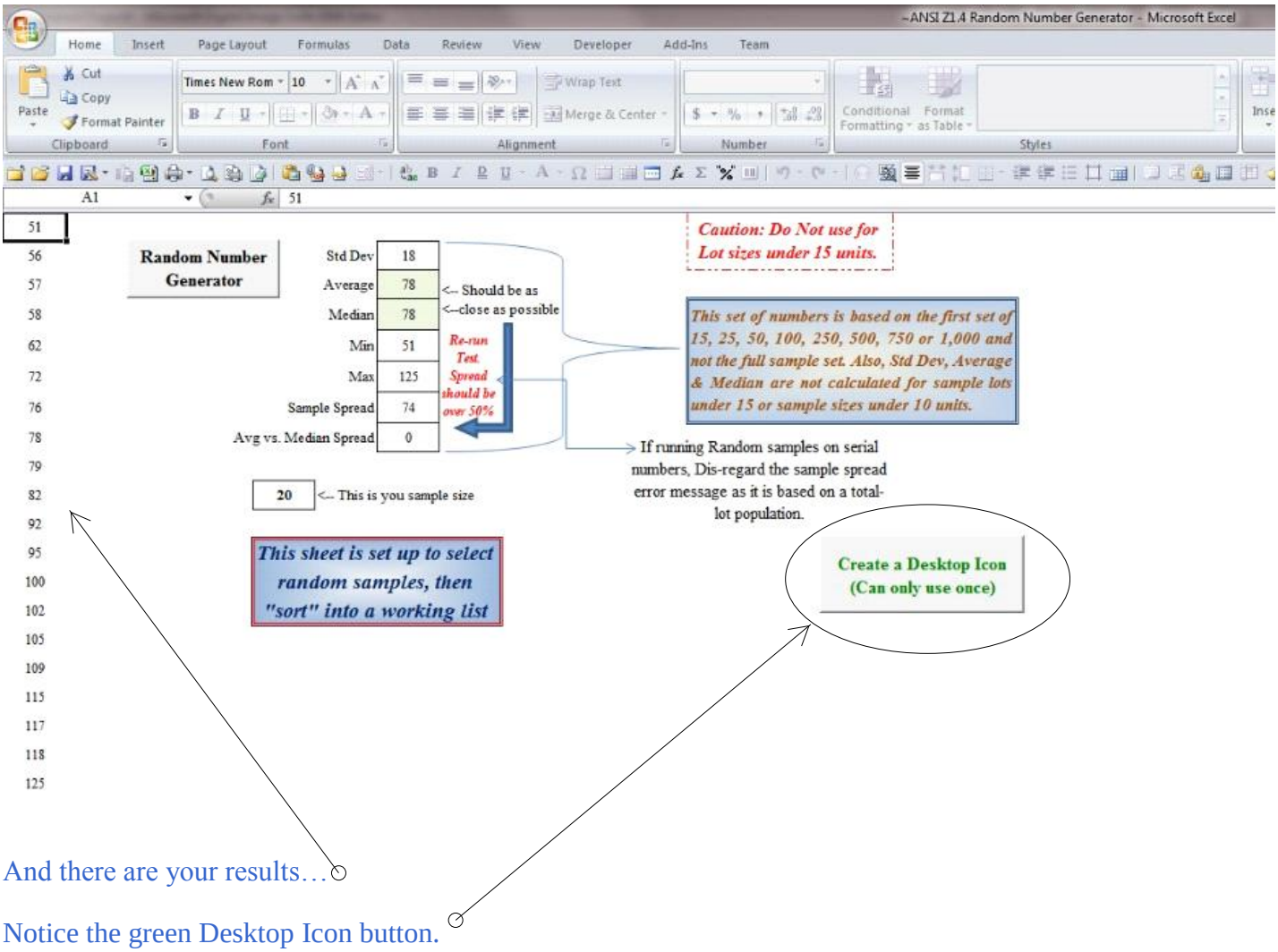
The following screen will appear with numbers sorted in ascending order. In the center are some reference stats, but do remember what Mark Twain once said, "There are Liars, Darn Liars and Statistics." (I cleaned it up for those with tender ears.)



And there are your results…

Notice the green Desktop Icon button.

If you click this button, it will create a desktop icon so you can access the program directly from your desktop.

After clicking the button, it will disappear. If you click the save button, the green button will be gone forever. If you click the close button and do not click the save option, the button will re-appear – it's your choice.

Enjoy, and if you have any questions, please feel free to email me with comments.

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