## Detailed Instructions for Installation of metRology for Microsoft Excel

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## Basics

- metRology for Microsoft Excel requires the open-source statistical software R. If you do not already have R on your computer, the metRology for Microsoft Excel installation file will take you to the correct link to install it. Then be sure to come back to complete running the metRology for Microsoft Excel installation file.
- Alternatively save the file at <u>http://cran.rstudio.com/bin/windows/base/release.htm</u> and then double click it to install R.
- You can accept all of the default suggestions when you run the R install script. You should install both the 32-bit and 64-bit versions of R, which is the default configuration.

## **Basics Continued**

- After installing R, double click on the file metRology-for-Microsoft-Excel-v1-03-setup.exe to configure R and install the user interface.
- This installation requires internet access to run successfully.
- You should use the defaults throughout this install as well, but you can override the suggested installation directory, if desired.

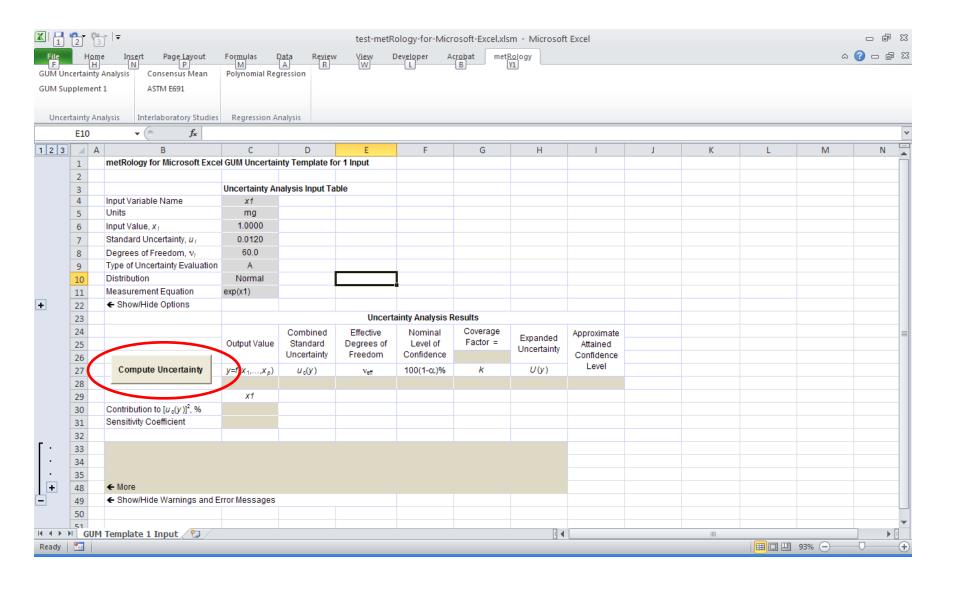
# **Configuring Excel**

- When you install metRology for Microsoft Excel, the installation script will most likely open Excel during the install and a menu will appear that asks you to enable content or macros.
- Please click enable to allow installation of the Excel Add-in used to link Excel and R.
- After you enable the content, Excel will close automatically and the installation will finish.

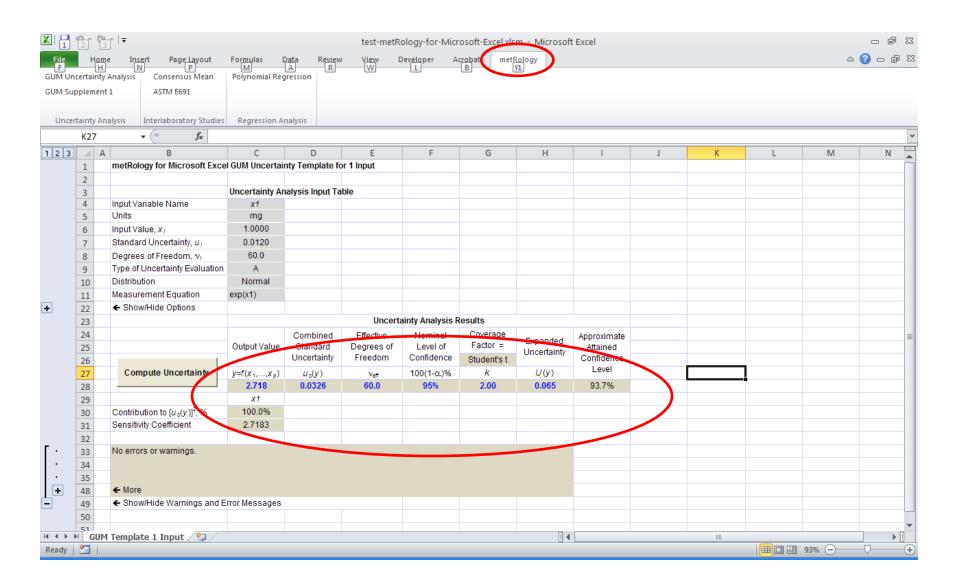
## Testing the Software

- After completing the installation first reboot your computer and then you can run a test to make sure everything is working using one of the versions of the file
  - test-metRology-for-Microsoft-Excel.xls(m).
    - use the <u>xls</u> file if you have Excel 2003
    - use the <u>xlsm</u> file if you have Excel 2007 or 2010
- To complete the test open the appropriate test file with Excel, then click the button labeled "Compute Uncertainty". You should also see a menu item named "metRology" on the menu bar.

#### Test File – Push Button Circled in Red



### Successful Test Results



#### More on Test Results and Final Notes

- The numbers in the output area of the test file do not need to match the screenshot exactly
- As long as there are numbers and no apparent errors, all should be well