

## Statistical Analyses in Mac Excel 2011

Like earlier versions of Excel for Mac you can still do quite a bit of basic statistical analyses using 'Function' tools, including:

- Calculating confidence intervals, correlation coefficients, averages (means), standard deviations, variances
- Estimating linear and logarithmic regression statistics
- Student's t tests

However for full function of the t-test (needed for several ENVS 149 labs) and for anything more advanced (including analysis of variance (ANOVA) and correlation analyses) download and install StatPlus LE, which is a free add-on program available at <http://www.analystsoft.com/en/products/statplusmacle/>.

To install StatPlus LE:

- Click on the downloaded file ("statplusmacle.zip") in your 'Downloads' folder and your computer should automatically un-compress (unzip) the downloaded file, creating a new sub-folder called "statplusmacle"
- Within this sub-folder there will be example files, a read me file with additional instructions, and a third file called "SPM\_580\_LE.dmg" – double click on this last file and a new install window should open
- Drag the 'StatPlus' icon into the adjacent 'Applications' folder icon and your computer should automatically install the StatPlus software
- Open and run the StatPlus software (which will now be located in your 'Applications' folder on the hard drive)

*\*Depending on your computer's security settings you may get an error message saying that the software is from an unidentified developer when you double click the file to run the software. If you do get this error message, right click on the file and manually select 'Open' to work around the security settings*

- When you first open the software you should get a window with a "Getting Started" read me file that contains all of the instructions you need to operate the software. If you need additional help try out the online tutorials at <http://www.analystsoft.com/en/products/statplusmacle/tutorials.phtml>

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