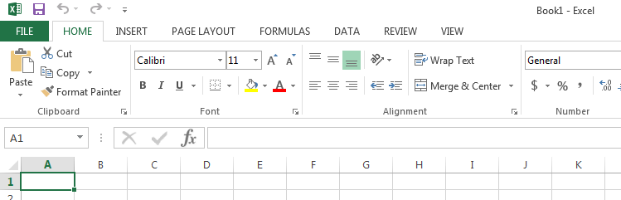
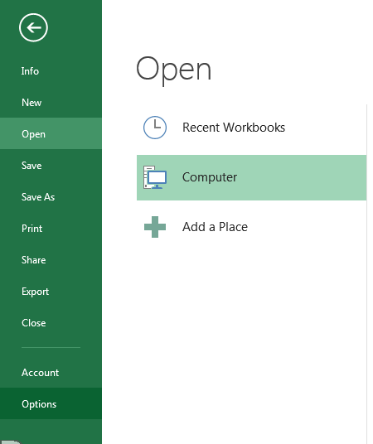
**Excel How-To: Regression Project**

**Turning on Data Analysis ToolPak**

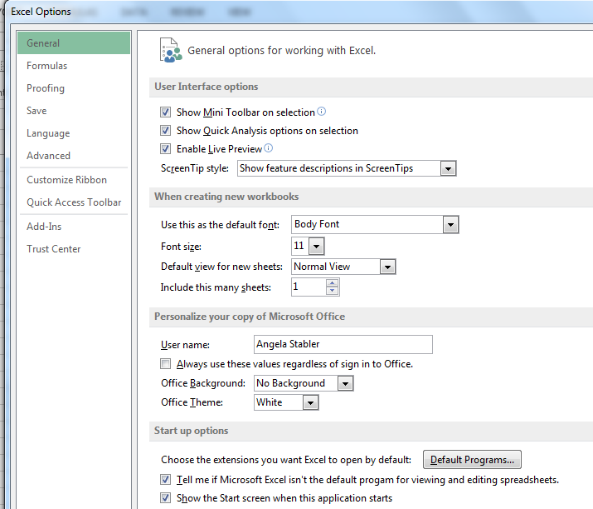
To turn on the data analysis toolpak, click on “File” then go to “Options”





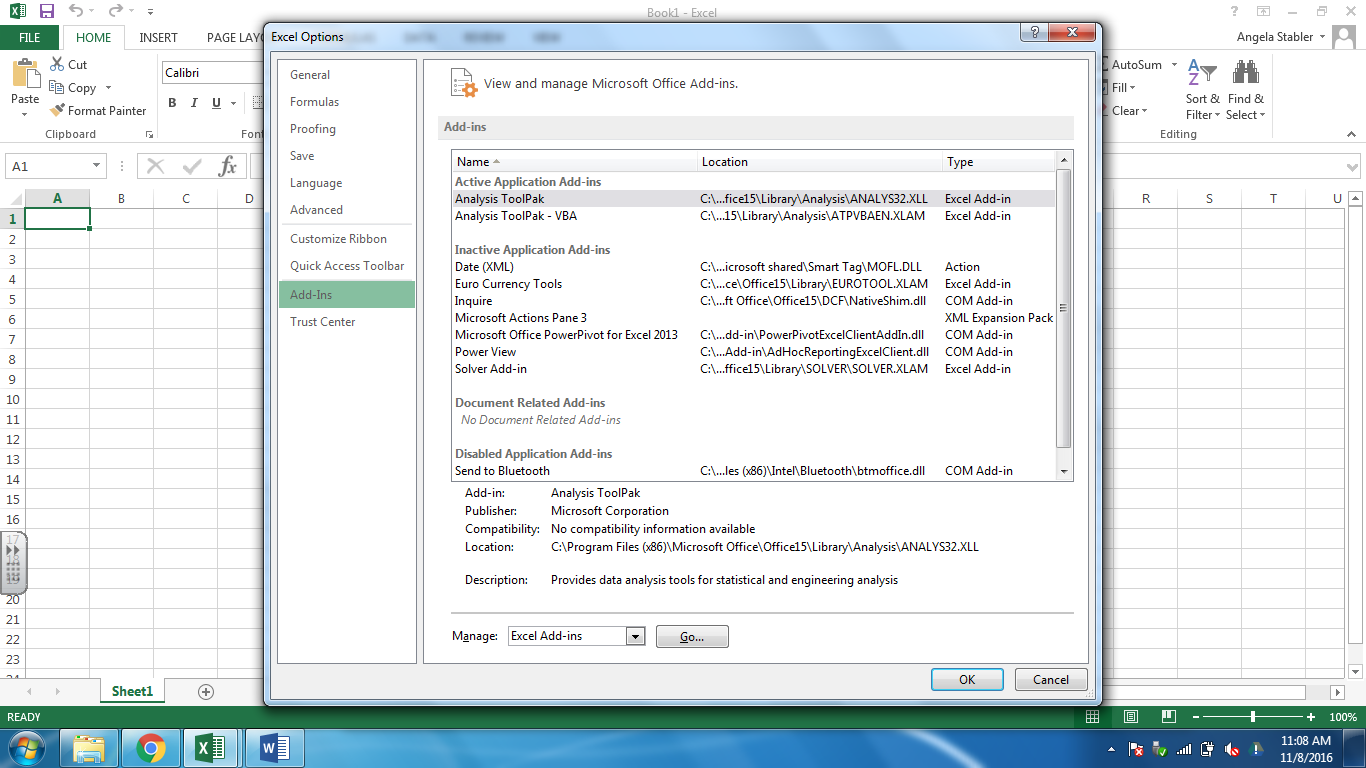
(continued on next page)

Then you will see the following screen. Click “Add Ins”

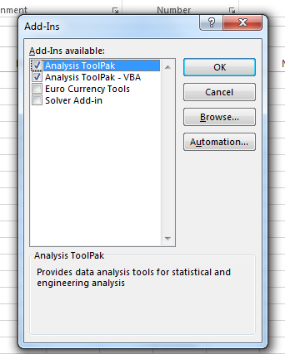


(continued on next page)

From here, where it says “Manage: Excel Add-ins” Click “Go”



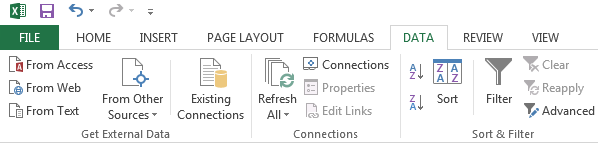
Check the following boxes-“Analysis Toolpak” and “Analysis Toolpak-VBA” then click ok.



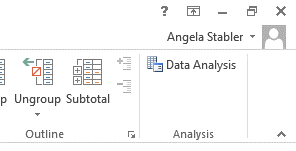
**You are now ready to do the Regression Analysis.**

**Performing Regression Analysis**

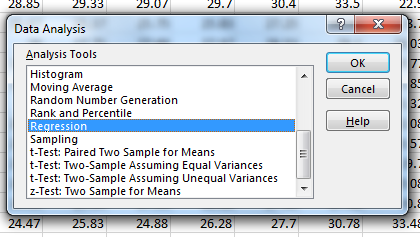
To do regression between Half Marathon Time and Total Marathon Time go to the “Data” tab in the top ribbon.



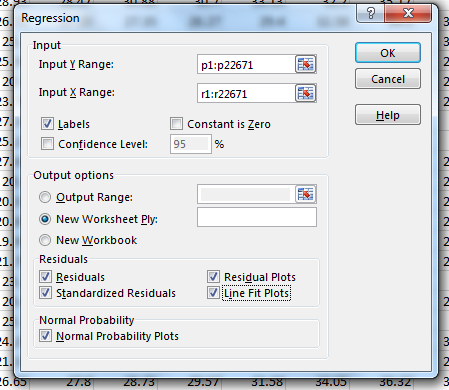
**Click Data Analysis in the top right corner. The following will “Data Analysis” box will appear.**



**The following will “Data Analysis” box will appear.**



**Select Regression and fill in the next prompt box as follows. Be sure to click all the appropriate textboxes.**



**The Input Range should be the appropriate columns for the data you are looking at.**

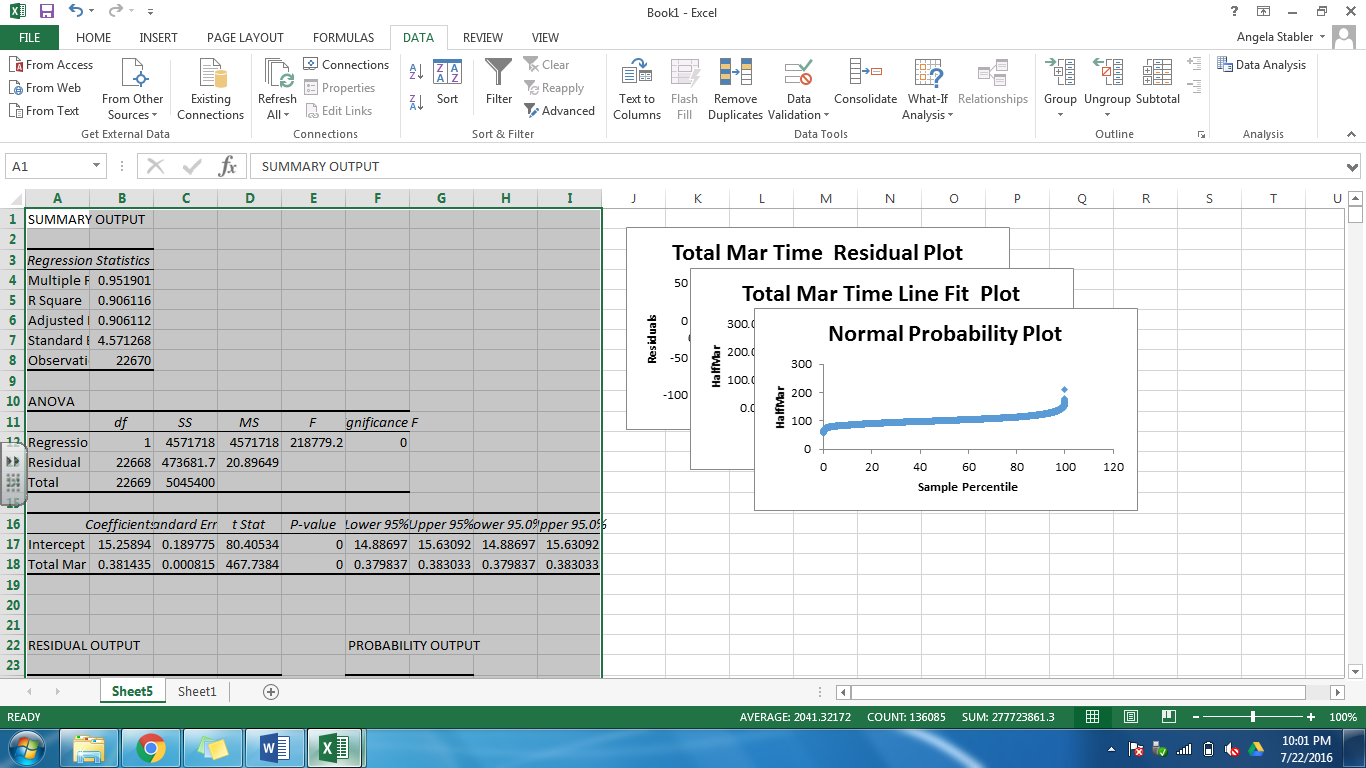
**y-range should be the larger split/final time**

**x-range should be the smaller split**

**\*\*the x, y range will change for each analysis you do. Be sure to pick the appropriate data for your analysis.**

**Click Ok after you have selected the options.**

**The following screen will appear.**



**The graphs and information you need will be on this output sheet.**