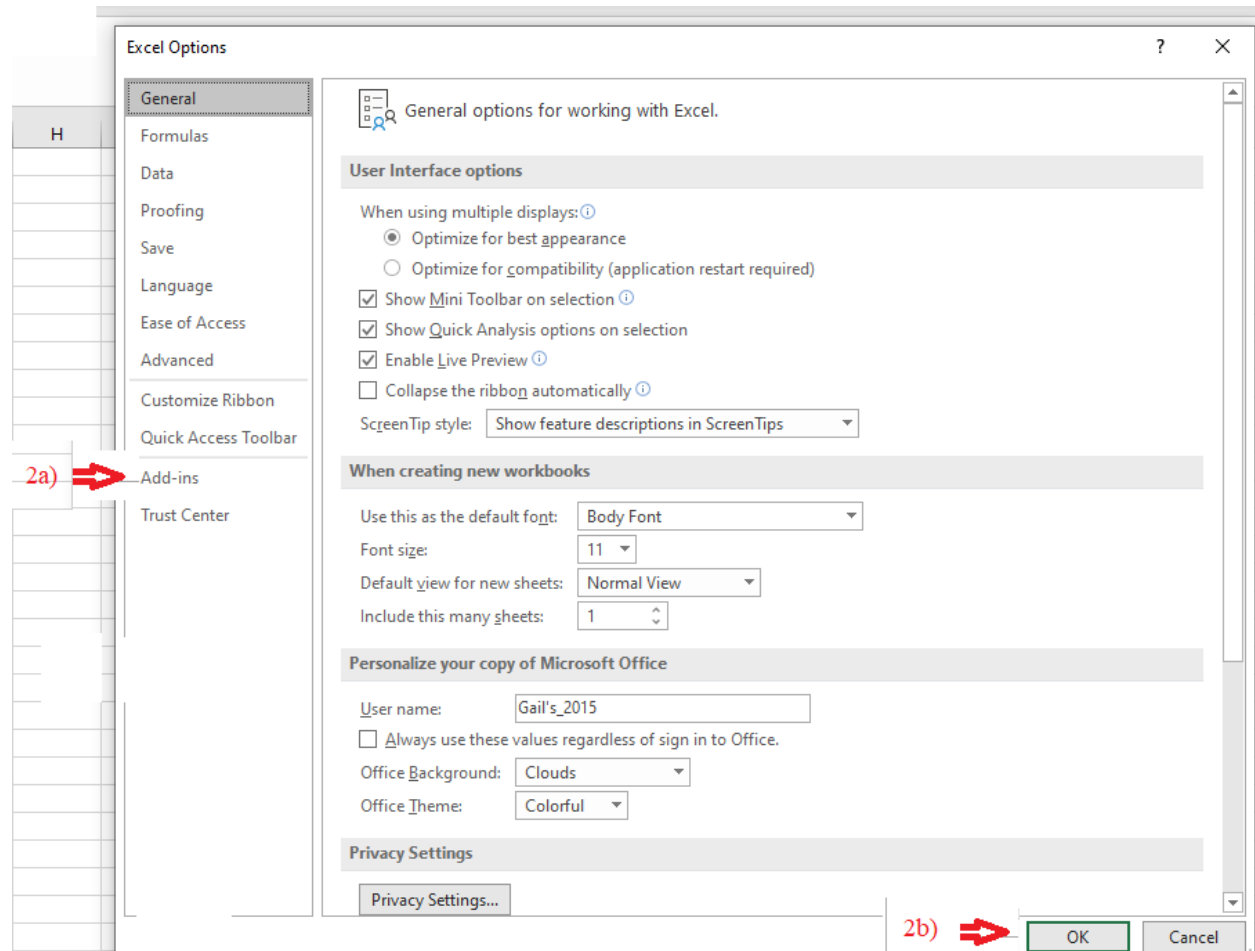


How to Generate Random Numbers Using Excel

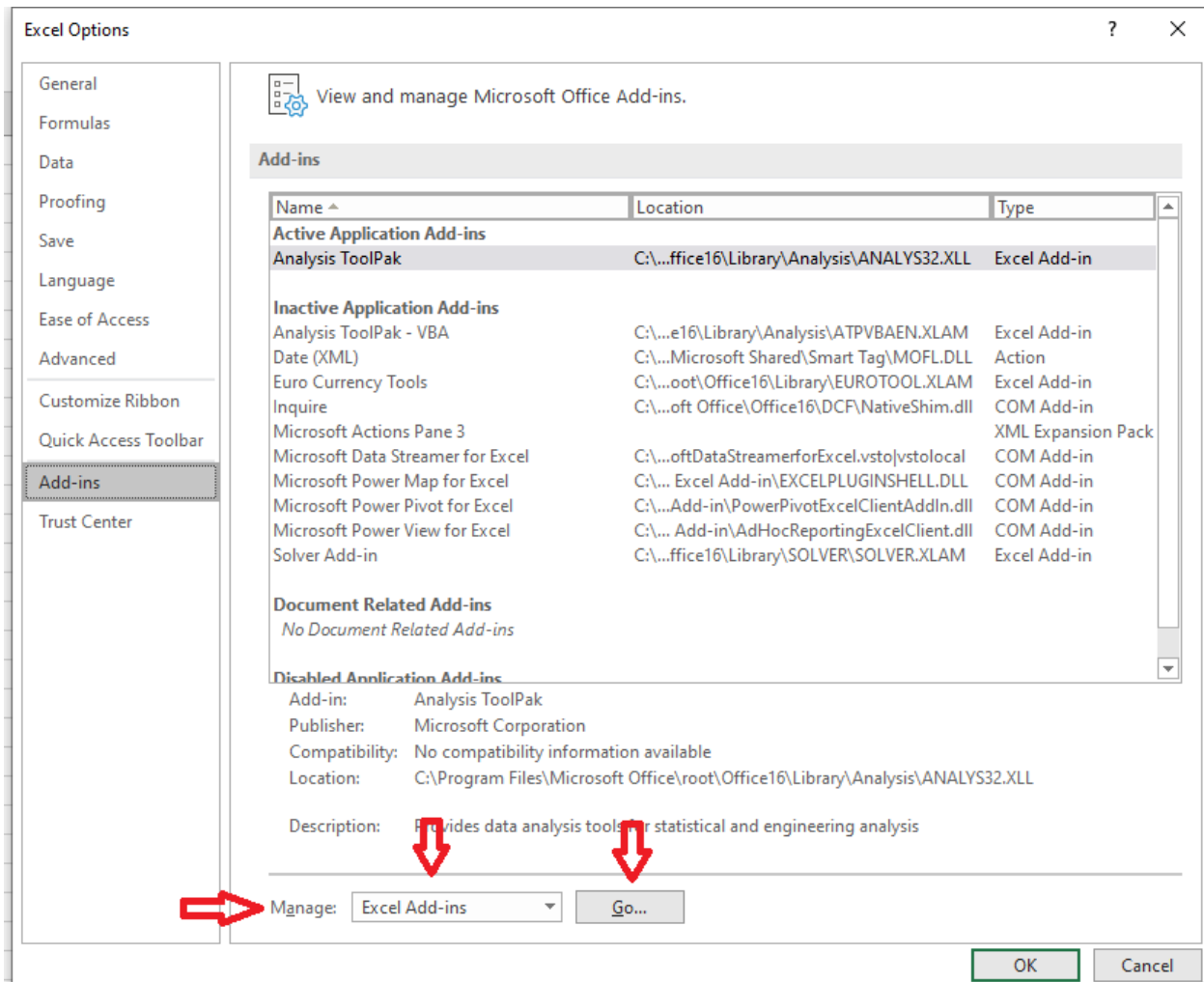
You need to activate the Data Analysis Tool Pack in order to generate random numbers.

1. Open an Excel Spreadsheet. Click the **File** tab, click **Options** (on the very bottom of the sidebar).
2. Click the **Add-Ins** category and then click OK.



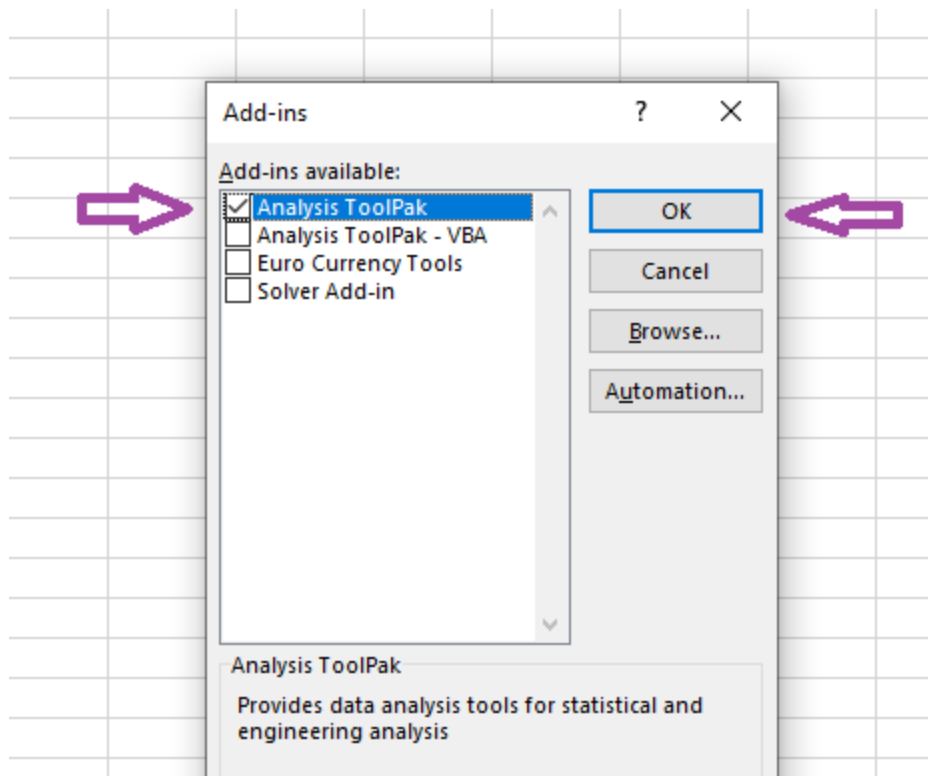
If you're using Excel 2007, click the **Microsoft Office Button** , and then click **Excel Options**

3. In the **Manage** box, select **Excel Add-ins** and then click **Go**.



If you're using Excel for Mac, in the file menu go to **Tools > Excel Add-ins**.

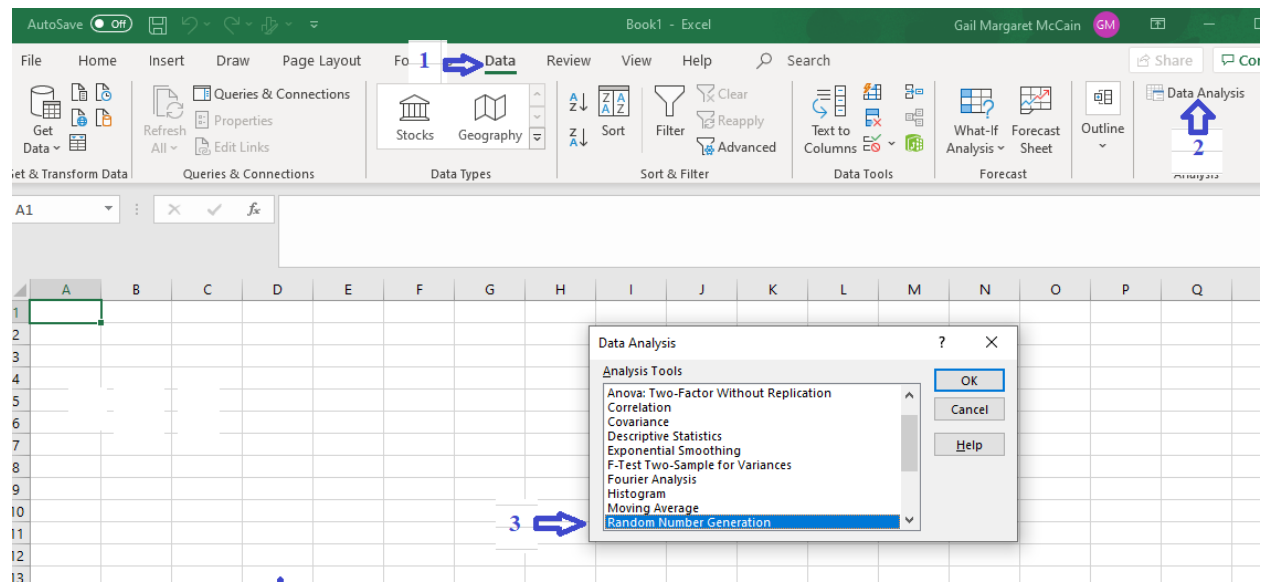
4. In the **Add-Ins** box, check the **Analysis ToolPak** check box, and then click **OK**.



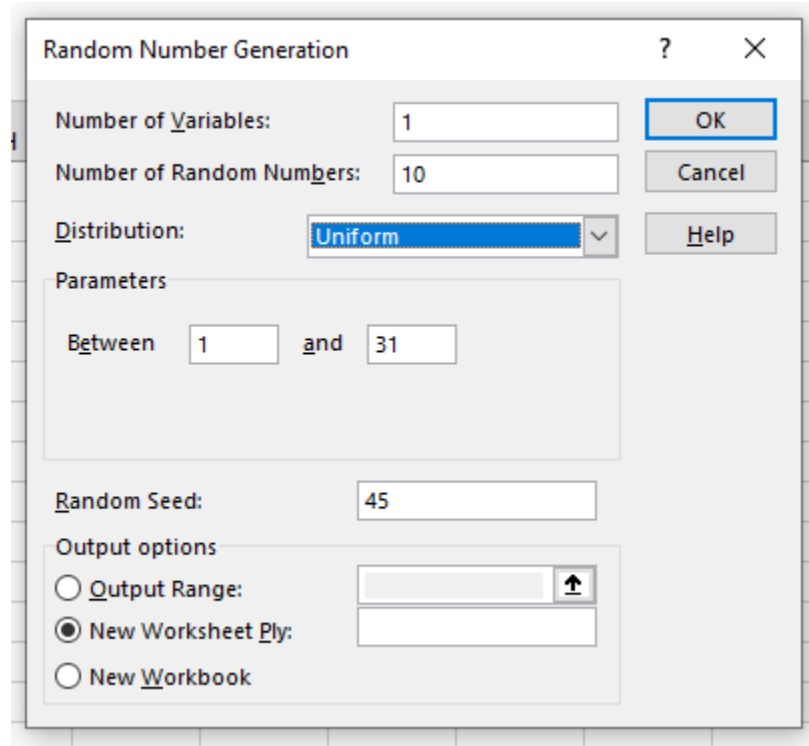
- If **Analysis ToolPak** is not listed in the **Add-Ins available** box, click **Browse** to locate it.
- If you are prompted that the Analysis ToolPak is not currently installed on your computer, click **Yes** to install it.

Once you have the Analysis ToolPak installed, here is how you generate Random Numbers:

- 1) Choose the **Data Tab** on the top of the spreadsheet
- 2) Choose **Data Analysis** on the far right of the spreadsheet
- 3) Scroll down in the list of Analysis Tools until you find **Random Number Generator**
- 4) Click **OK**



5) Now fill in the Window appropriately for your problem. I've set up for 10 numbers to be generated in order **to obtain 5 non-repeating numbers between 1 and 30** (throw out 31 if you get it); you can choose any number for the seed; disregard the decimals that appear to the right of the integers generated. The data will appear in column A of a new spreadsheet.



Our random numbers are: **1, 30, 6, 4, and 14**

	A	B
1	1.169378	
2	30.8883	
3	6.425581	
4	4.609119	
5	14.0549	
6	23.57759	
7	16.88763	
8	29.95901	
9	30.82513	
10	15.73403	
11		