

Real Statistics Manual

Why Real Statistics?

The 'Analytic Solver Data Mining' or 'XLMiner' trial version is only accessible for 15 days. So we're using an alternate software package called Real Statistics, which expands Excel's built-in statistical features. This will make it easier for you to run various statistical analyses in Excel, including time-series model building, even after the trial version is over.

Installation of Real Statistics ([Youtube link](#))

Before trying to install the Real Statistics Resource Pack, make sure that Excel's Solver capability is installed on your computer. Check this as follows:

1. Open up a blank Excel spreadsheet
2. Press **Alt-TI** (i.e. hold down the Alt key and press the T and I keys).
3. Make sure that the Solver add-in is checked on the dialogue box that appears. If not, check it and click on the **OK** button.
4. If the Solver add-in was not checked, you need to close the Excel file before proceeding to the next step.

Once the above steps are done, click this [link](#) to download the Package (Relevant to your Excel version)

Now that you have downloaded the Resource Pack and made sure that Solver is installed, you need to install the Real Statistics Real Pack using the following steps:

1. Move the Resource Pack to where you want it located on your computer (see our recommendation below). **Caution:** once you install the resource pack at a particular location, it will be more difficult to move it later.
2. Open Excel, but **don't** try to open the XRealStats.xlam file that you downloaded earlier.

3. Select **File > Help|Options > Add-Ins** and click on the **Go** button at the bottom of the window (see Figure 1). Alternatively, you can simply press **Alt-TI** (i.e. hold the **Alt** key down and simultaneously press **T** followed by **I**), and the dialog box shown in Figure 2 will appear.

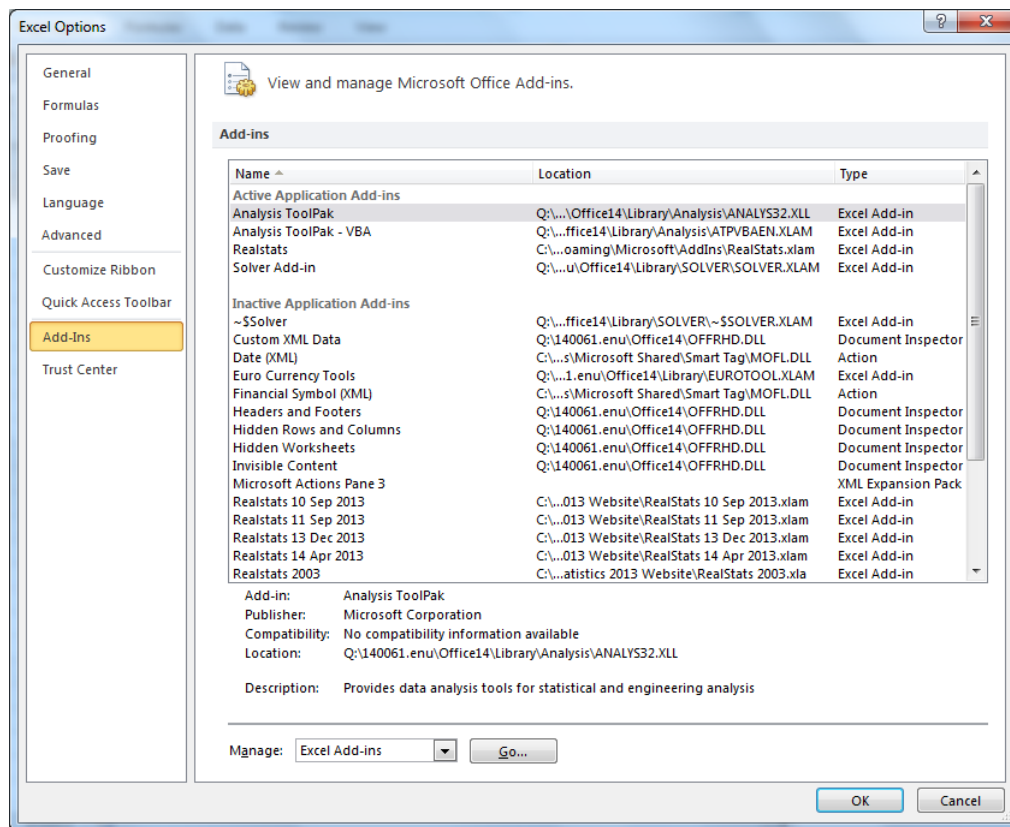


Figure.1

4. Check the **Xrealstats** option on the dialog box that appears (see Figure 2) and click the **OK** button. **NOTE:** If you have previously activated Realstats, you must uncheck the **Realstats** option.
5. If this option doesn't appear, click on **Browse** to find and choose the xrealstats.xlam file. Then complete step 4 as described above.

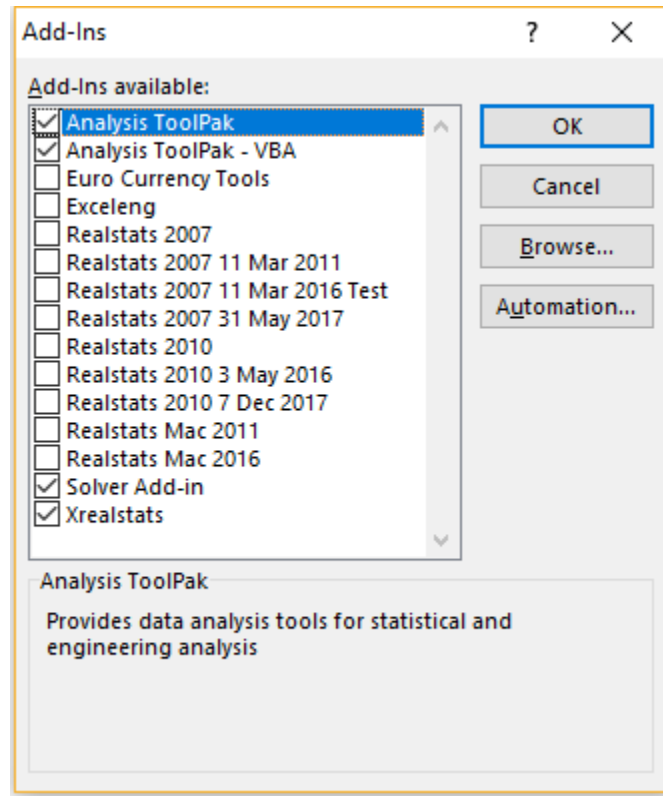


Figure.2

While you can place the Real Statistics Resource Pack anywhere on your computer, we recommend that you put the file in the following folder:

C:\Users\username\AppData\Roaming\Microsoft\AddIns

where **username** is your username in Microsoft Windows. Since some of these folders are hidden, you may find it convenient to enable showing hidden folders. E.g., in Windows 10 you can do this by opening **Settings** and then type **Show Hidden Files and Folders** in the search field. Next, check on the **Show hidden files, folders, and drives** option in the dialog box that appears and then click on the **OK** button.

Time Series Analysis | Real Statistics Using Excel

Time series analysis consists of techniques for reviewing and analysing time series data in order to extract meaningful insights from the data. It helps gain a deeper understanding of the underlying data points that lead to a specific trend. This also helps in the prediction of future data points. This is done by building a model that uses previous data points to forecast future data points. For building the model, we use this Excel add-in (Real Statistics in this case). You can go through the link below for a better understanding of the same.

<https://www.real-statistics.com/time-series-analysis/>

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