Time series module

This module, like the others, aims to help you in the analysis that you require in your work, offering all the potential that the R language has.

Considerations when using the module

When using this functionality, you must verify that the BERT Add-in is installed correctly and that the R engine is installed. In the section on common errors you can find more about this topic.

This tool is aimed at people with a little (or minimum) knowledge of the types of analysis to be performed, so if the user does not know them, it will be a good idea to study them before use.

How use this module

These instructions work the same for all the types of analysis that the ALIR0 tool presents, with the differences of parameters that each method has, for this reason it is important that the user knows the method that he wishes to use.

Open the windows

The first step once Microsoft Excel is open is to go to the ALIR0 tab, which is at the top.
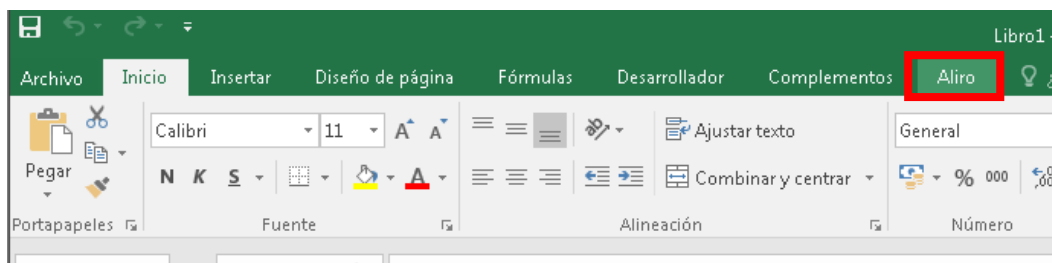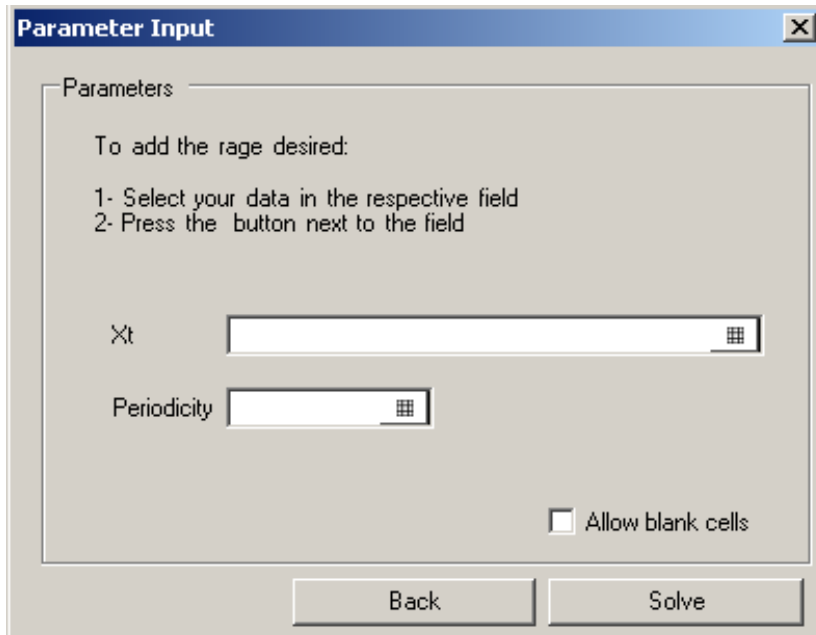
Here you will find the different options offered by the Add-in, at this time we will go to the "Arima" option in the Time Series Analysis section.
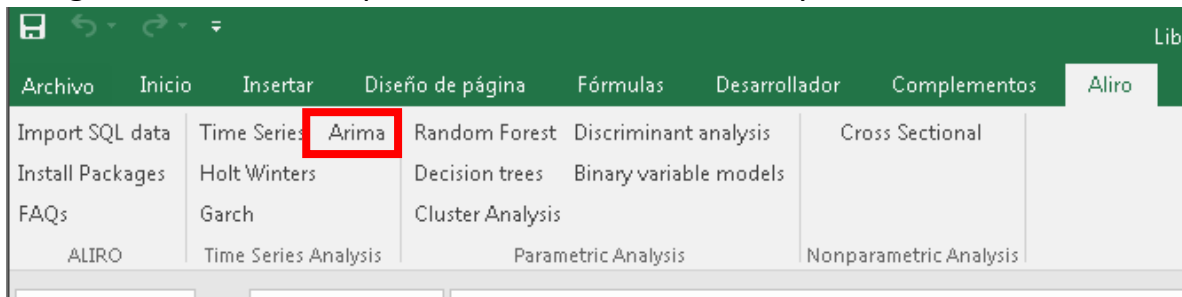
Pressing the option will load the window with the variants of the method, here you should only select the one you want to use and click on the "Go" button.
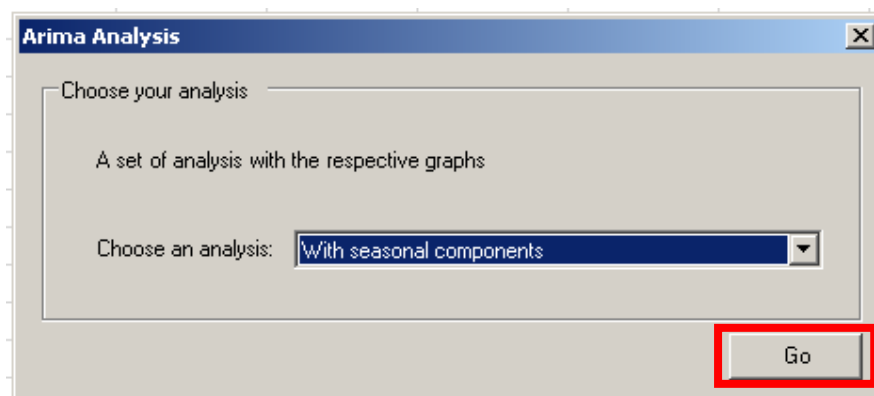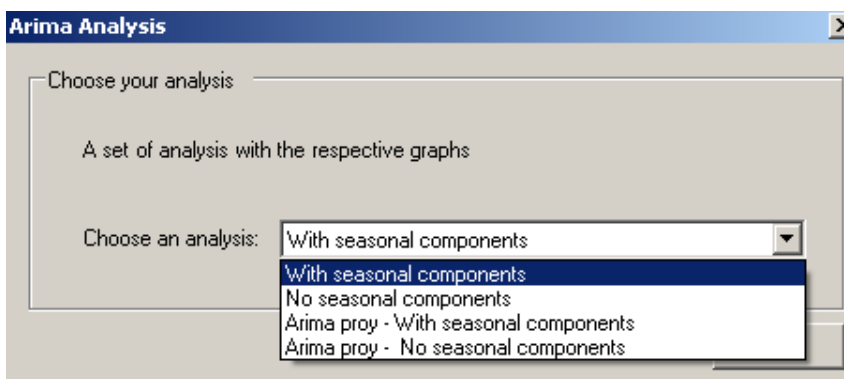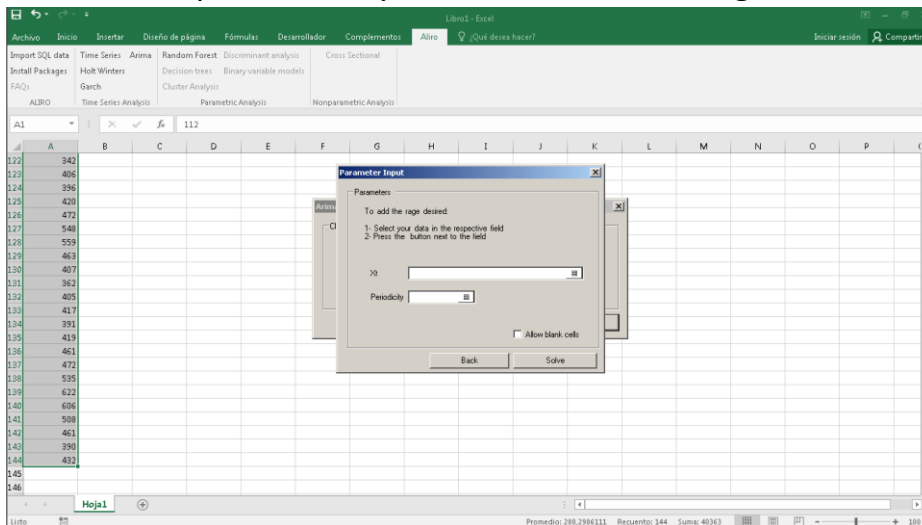
Then a new window will appear where you must select the range of data you want to analyze and the different parameters that the method needs. For this particular case, the Arima method with a seasonal component was selected, so the input parameters are the range and period of the data.
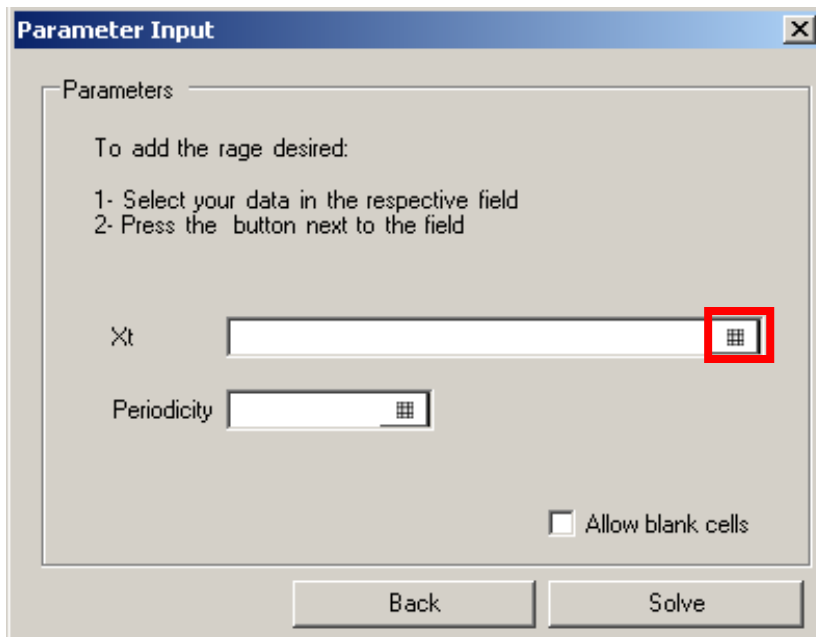
Now in the spreadsheet you must select the range of data to be evaluated.
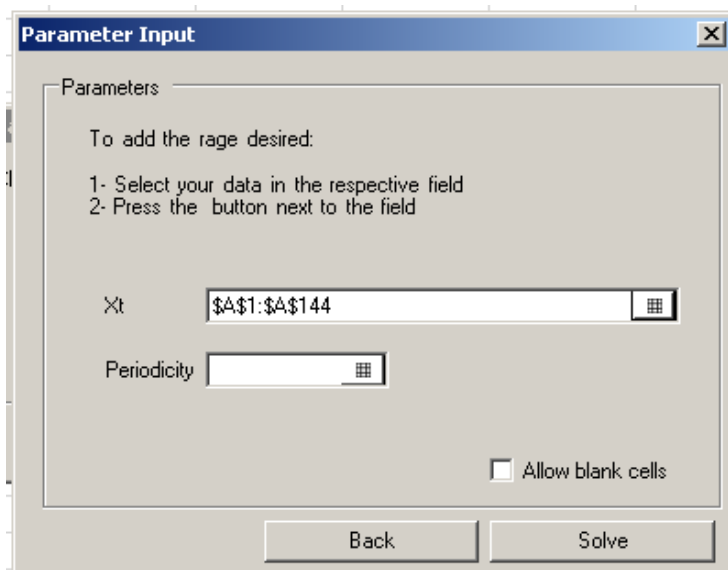
Now in the window again we proceed to press the button next to the text field that says Xt.

Once this is done in the text field, the data range will be loaded.

Now for the periodicity, proceed to do the same, select the cell in the spreadsheet and press the button next to the text field that says periodicity

Before finalizing we select the option to allow blank cells and proceed to click on the solve button.

After waiting a bit in the spreadsheet the graph will appear with the analysis already done.