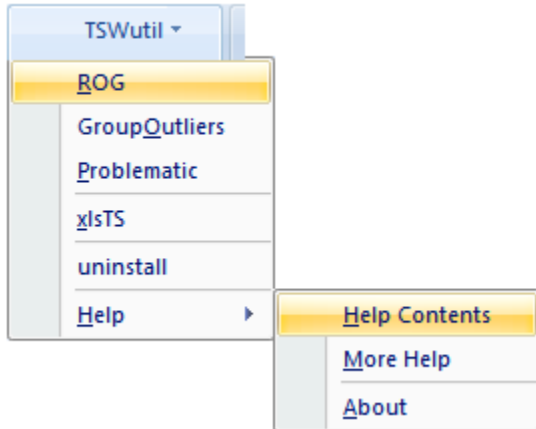


## TSW UTILITIES



TSWutil.xla is an Excel Add-in for use with TSW outputs. This tool is easy to use and complements the TSW functionalities.

This AddIn creates the following custom sub-menu in your Excel environment.



TswUtil provides you with the following Excel macros:

- **ROG**, a macro that computes a battery of rates-of-growth of the original series, SA series, and trend-cycle component, useful for assessing the present situation and for short-term forecasting.
- **Problematic**, a macro that picks up problematic series following an application of program TSW to a set of (perhaps many) time series.
- **Xlsts**, a macro that transforms time series Excel files in various formats into Excel files ready for Tsw and/or text files for TRAMO-SEATS in Dos.
- **groupOutlier**, a macro that facilitates analysis of the outliers detected and corrected by TSW in sets with possibly many series.

The output files of the addIn will be deposited in C:\[INSTALLDIR]\OUTPUT

## **STEPS TO INSTALL TSWutil.xla:**

### Without Setup

- 1) Unzip TswaddIn.zip
- 2) Register utilTSW.xla. To do that execute utilTswReg\_hc.xls macro.

### With SetupTSWutil.exe

- 1) Execute the install program "setupTswUtil.exe".  
In order to perform the installation you must have Administrator permissions for the computer where TSWUtil is being installed.
- 2) Register this AddIn in Excel.  
"Start->Programs->[INSTALLDIR]->Register tswUtil in Excel".

Make sure you are allowed to run macros in your installation directory and the macro security level is set to Medium.

### **Warning for Windows Vista:**

The Vista security system, and specifically then Data Redirection (or Data Virtualization) system, will redirect output targeted at certain protected locations like %ProgramFiles% or %Windows%, to the user's profile directory like: "C:\Users\user-name\AppData\Local\VirtualStore\Program Files".

If TSWaddIn is installed in one of the protected directories, all the output generated (which by default would be deposited in [INSTALLDIR]\outputs) will be redirected.

For more information about the AddIn and computer/programming related questions, contact:

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