To install grocer: you have 3 options:

<u>OPTION 1</u>: install Grocer from Scilab with the module manager - Atoms, available in Scilab menu "Applications". This is the best one, since it leads Scilab to load automatically Grocer at start, but it may not work, in particular with very stringent firewalls.

<u>OPTION 2</u>: unzip Grocer distribution under the folder contrib in Scilab root: this option is the second best. Compared to the previous one, it does not load automatically Grocer at start, but this is done in one click.

<u>OPTION 3</u>: unzip Grocer distribution elsewhere: this is still less straightforward, but can be useful if you cannot access the Scilab folder.

The installation is now detailed under these 3 options.

OPTION 1:

1) click on Menu "Applications", then on item Module manager - Atoms

File ?	
Main categories - ATOMS	
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🔯 All modules	
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Contributed Scilab Binaries	
Data Acquisition	
Data Analysis And Statistics	
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Graphics	
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🛅 Linear algebra	
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Number theory	
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Real-Time -	

2) Then click on Data Analysis and Statistics, and then on GROCER, to obtain the following screen

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Statpack	levene_Levene's test		
TECT'	mardia - Mardia's test		
	spearman - Spearman's test		
	tstbinomial1 - binomial one sample p test		
	tstbinomial2 - binomial two samples p test		
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	tstnormals2 - normal two samples σ test		
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3) Click on Install and Grocer will install, provided that your firewall allows it (which may not be the case in some firms).

Remark: this is by far the simplest way for installing Grocer, but it has 2 drawbacks: first, as said above, it may not be possible; and second, there can be a variable lag between the most up-to-date Grocer version, available at http://dubois.ensae.net/grocer.html, and the one available under Atoms.

OPTION 2:

1) Unzip the Grocer zip file available at Éric Dubois web site (the 26-th of November 2023, the file name was http://grocer.toolbox.free.fr/Grocer_V1.85_SCI_5.2plus.zip) in Scilab contrib folder, run Scilab. A menu toolboxes ("Modules" in French) will now be available on the right of the menu bar (shown here for Scilab 2023.0.0):

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Click on this menu and a menu grocer will appear: click on it



This should install Grocer and you should see the following:

Initialisation : Chargement de l'environnement de travail Création des macros... Installing GROCER 1.85 - Copyright Éric Dubois, Emmanuel Michaux et al. 2002-2021 -- Création de [automaticlib] (Macros) -genlib : Traitement du fichier : auto_allstage1.sci [...]

Génération du document maître : SCI\contrib\grocer\help\en US Génération du fichier d'aide [javaHelp] in SCI\contrib\grocer\help\en US. Génération de loader.sce... Génération de unloader.sce... GROCER 1.85 installed Note that Grocer is distributed under the CeCILL license (http://www.cecill.info/licences/Licence CeCILL V2-en.txt) and that by using Grocer you therefore accept to comply to the terms of this license Please, we would greatly appreciate if you could send us an e-mail at grocer.toolbox@free.fr to inform us that you have installed grocer xlreadwrite installed Loading Grocer 1.85 Dubois, Emmanuel Michaux and al. 2002-2021 http://dubois/ensae.net/grocer.html Grocer is distributed under CeCill license (http://www.cecill.info/licences/Licence CeCILL V2-en.txt) and using Grocer entails accepting the terms of the license Load macros loading xlreadwrite https://gitlab.com/mottelet/xlreadwrite Load help As asked, do not hesitate to send a mail to indicate that you have download Grocer: this is important for us! 3) The next time you will run Scilab, then click again on menu "toolboxes" and then "grocer" and the following will appear on screen: Loading Grocer 1.85 Dubois, Emmanuel Michaux and al. 2002-2021 http://dubois/ensae.net/grocer.html Grocer is distributed under CeCill license (http://www.cecill.info/licences/Licence CeCILL V2-en.txt) and using Grocer entails accepting the terms of the license Load macros loading xlreadwrite https://gitlab.com/mottelet/xlreadwrite Load help -->

OPTION 3:

 Once you have unzipped the file in the chosen folder (say <u>c:/mygrocer</u>) (http://atoms.scilab.org/), run Scilab and run:

```
--> exec('c:/mygrocer/builder.sce',-1)
The installation then proceeds as with the previous options
2) Each time you run Scilab and want to use Grocer, you will have to run:
--> exec('<u>c:/mygrocer/loader.sce',-1</u>)
                                      *
remark:
Whatever installation option you have used, to check that Grocer has been
loaded, then at the prompt, write hendryericsson(); and enter. Then
Scilab should open 2 graphic windows and display the following:
-->hendryericsson();
ols estimation results for dependent variable: delts(lm1-lp)
estimation period: 1964q3-1989q2
number of observations: 100
number of variables: 5
R^2 = 0.7616185 adjusted R^2 = 0.7515814
Overall F test: F(4,95) = 75.880204 p-value = 0
standard error of the regression: 0.0131293
sum of squared residuals: 0.0163761
DW(0) = 2.1774376
Belsley, Kuh, Welsch Condition index: 9
variable
                         coeff t-statistic p value
                         -0.6870384 -5.4783422 0.0000004
delts(lp)
delts(lagts(1,lm1-lp-ly)) -0.1746071 -3.0101342 0.0033444
                         -0.6296264 -10.46405
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                         -0.0928556 -10.873398 0
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                         0.0234367 5.818553 7.987D-08
cte
tests results:
* * * * * * * * * * * * *
                     test value p-value
test
Chow pred. fail. (50%) 0.6360176 0.9398804
Chow pred. fail. (90%) 0.6567307 0.7609067
Doornik & Hansen 1.9768209 0.3721678
AR(1-4)
                     1.941783 0.1102067
                     1.7883471 0.1104843
hetero x squared
Jarque and Bera normality test:
chi2(2)=1.6835341
(p -value
                         = 0.4309483)
```

White heteroscedasticity test: Chi-squared(15)=15.475464 (p -value = 0.4177414)

White heteroscedasticity test: F(15,79)=0.9642657 (p -value = 0.4996953)

F(6,88)=1.7883471 (p -value = 0.1104843)

ARCH test: Chi-squared(4)=3.0104 (p -value = 0.5560865)

ARCH test: F(4,92)=0.7780595 (p -value = 0.5422606)

power 2 non linearity RESET test: F(1,94)=0.0821074 (p -value = 0.7750922)