Installation Guide

Downloading R-Instat

Download R-Instat from this link: http://www.r-instat.org/Download

R-Instat is currently a Windows only software for Windows 7 or later. Mac and Linux users could use R-Instat through a virtual Windows machines.

R-Instat Prerequisites

The full installer of R-Instat also includes the following required software:

- 1. .NET Framework minimum version 4.6
- 2. R minimum version 3.4.4

If you already have these software installed, the installer should detect them, otherwise it will install them automatically for you. No internet connection is required during the entire installation because they are all bundled in the installer.

Step by step installation

- 1. Browse to where you have saved the R-Instat installer
- 2. Right click and then click Open to run it
- 3. If the software determines that you are lacking any of the prerequisites mentioned above, it will prompt you to install them. Otherwise it will go straight to installing R-Instat (go to <u>step 14</u>). If prerequisites are missing, the following dialog box will appear. Click **Next** to continue.

Fig. 1 Welcome Prerequisites



1. The following dialog, Fig. 2, shows the prerequisites that need to be installed. (In Fig. 2 we no longer install Rtools automatically) In the case displayed below, none of the prerequisites were detected so they have been checked to be installed. We do not recommended changing the default check boxes. Click **Next** to start installing the checked prerequisites.

		-			
R	R-Instat 0.4.5 Setup				×
	Prerequisites Select which prerequisites will be installed				2
	Name	Requ	ired	Found	Action
	Microsoft .NET Framework 4.6.1			Installed	Install
	R for Windows 3.4.1	1.0 o	r higher		Install
	Rtools	3.4 o	r higher	3.4	Install
	<				>
Ad	vanced Installer				
mu	Yancoa Inisodiloi	< Back	Next >	>	Cancel

Fig. 2: Prerequisites Install

Installing Microsoft .NET Framework.

 The installer will extract the Microsoft .NET Framework files to be installed. At the end of the procedure, a dialog will be displayed (see below). Check the I have read and accept the licence terms option, and then click Install. At the end of the installation, click on Finish. The installer will then start installing the next prerequisites if any, in our case: R for Windows 3.4.4.

Fig. 3: Net framework

Installing R for Windows 3.4.4

1. You will be first asked to choose the language you wish to use during the installation. Select your preferred language and then click **OK**

Fig. 4: Language				
Select Se	tup Language	Х		
18	Select the language to use during the installation:			
	English	\sim		
	OK Cancel			

1. Click Next on the following dialog





1. The following dialog then displays the license, which you accept by clicking **Next**

🔂 Setup - R for Windows 3.4.1 —		\times
Information Please read the following important information before continuing.		R
When you are ready to continue with Setup, click Next.		
GNU GENERAL PUBLIC LICENSE Version 2, June 1991	^	
Copyright (C) 1989, 1991 Free Software Foundation, Inc. 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.		
Preamble		
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free softwareto make sure the software is free for all its users. This General Public License applies to most of the Free Software	~	
< <u>B</u> ack <u>N</u> ext >	Can	cel

Fig. 6: R licence

- 1. Then click Next again on the following dialog to accept the default path for R installation
 - Fig. 7: R location

韻 Setup - R for Windows 3.4.1	—		\times
Select Destination Location Where should R for Windows 3.4.1 be installed?			R
Setup will install R for Windows 3.4.1 into the following fold	ler.		
To continue, click Next. If you would like to select a different folder,	click Bro	owse.	
C:\Program Files\R\R-3.4.1	B	rowse	
At least 1.2 MB of free disk space is required.			
< <u>B</u> ack <u>N</u> ex	t >	Ca	incel

1. The subsequent dialog shows user installation options. Click **Next** without changing any settings as all the displayed components are necessary for R-Instat to run. **Warning** : If you do not select all at this stage, R-Instat will not run.

🔂 Setup - R for Windows 3.4.1	-		\times
Select Components			_
Sciece components			
Which components should be installed?			R
Select the components you want to install; clear the components install. Click Next when you are ready to continue.	you do not	want to	
User installation		~]
Core Files		72.6 MB]
✓ 32-bit Files		45.7 MB	
64-bit Files		46.8 MB	
Message translations		7.3 MB	
Current selection requires at least 173.2 MB of disk space.]
< <u>B</u> ack	<u>l</u> ext >	Cano	el

1. On the Startup Options dialog, either accept defaults or choose to customise. We recommend accepting the defaults in most cases. Then click **Next**.

Fig. 9: Startup

🕞 Setup - R for Windows 3.4.1	_		×
Startup options Do you want to customize the startup options?			R
Please specify yes or no, then click Next.			
O Yes (customized startup)			
No (accept defaults)			
< <u>B</u> ack	<u>N</u> ext >	C	ancel

1. Again, we recommend leaving all the default settings on the Select Start Menu Folder dialog and clicking **Next**

Fig. 8: Installation options

Setup - R for Windows 3.4.1	_		×
Select Start Menu Folder Where should Setup place the program's shortcuts?			R
Setup will create the program's shortcuts in the following St	art Me	enu folder	
To continue, click Next. If you would like to select a different folder,	click B	rowse.	
R		B <u>r</u> owse	
Don't create a Start Menu folder			
< <u>B</u> ack <u>N</u> ext	t >	Ca	ancel

1. On the Select Additional Tasks dialog shown below, you can choose which shortcuts to create. **Save version number in registry** must be checked for R-Instat to run. Click **Next**. This will then run an installation of R for Windows 3.4.1, at the end of which you click on **Finish**.

Installing R-Instat

14. The first dialog to be displayed will be a welcome dialog. Click **Next** to proceed.

Fig. 14: Welcome to R-Instat

Fig. 10: Start Menu

Fig. 14: Welcome to R-Instat



1. On the Select Installation Folder dialog, we recommend leaving the default path and clicking **Next**.

Fig.15: Select Installation

R-Instat 0.4.6 Setup	—		×
Select Installation Folder			
This is the folder where R-Instat 0.4.6 will be installed.			2
To install in this folder, click "Next". To install to a different folder, en "Browse".	ter it b	elow or cli	ck
Folder:			
C:\Program Files (x86)\AMI\R-Instat 0.4.6\		Browse.	
Advanced Installer			
< Back Next :	>	Car	ncel

1. Finally, click **Install** when you reach the Ready to Install dialog shown below. Click **Yes** if a pop up appears to allow the installation to proceed. Click on **Finish** after completion of the installation.

Fig. 16: Install R-Instat

🕱 R-Instat 0.4.6 Setup	×
Ready to Install	
The Setup Wizard is ready to begin the R-Instat 0.4.6 installation	2
Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.	
Advanced Installer	
< Back Sack C	ancel

After a successful installation, you should be able to see a new icon on your desktop with the name R-Instat 0.4.6 as well as a folder named R-Instat 0.4.6 from the main menu. There is another document which shows how to get started running R-Instat for the first time!

Running R-Instat for the first time

Once you have installed R-Instat, it is time to open it!

When R-Instat runs for the very first time, if you have not used R before, or an updated version has been installed, you may see the message box asking:

"Would you like to use a personal library instead?". Click Yes for the software to proceed to install the required R packages onto your computer into a folder in your documents.

If you do not see this message box (and no errors appear) then you can assume the R packages installed correctly as it is likely you already had the necessary folder structures.

Fig. 17: Open R-Instat

🖹 R-Instat 0.4.5		- a x
File Edit Prepare Describe Model Climatic Procurement Tools View H	elp.	
0 2 2 3 4 4 5 5 5 5 5 5 6 9	An R Command is Running	
Data View	Re R Command is Running Sorry for the wait. An R command is taking some time to complete. Please be patient while the process finishes. While you're waiting Looking for training materials? University of Reading's 'State Made Simple' resources are freely available online for anyone to use to teach of learn. Click to find out more. Coestion Coestion Yes No	9
No data loaded		1251 M
Search the web and windows	u 😈 🔮 🔤 🔤 🐸 🔤 🔮 🚺 🕺 😥	12-0d-17

When a command takes longer to run (in this case installing packages), you will see the "Sorry for the wait" dialog box (below), just to let you know R-Instat is still running and hasn't frozen.

Fig. 18: Sorry Wait



After clicking Yes, another message box may appear saying:

"*Would you like to create a personal library*". Click **Yes** again to allow R to install packages to the specified folder.

Fig. 19: Personal Lib

Qu	uestion		×
	?	Would you like to create a personal library 'C:/Users/Fundi/Documents/R/win-library/3.4' to install packages into?	
L		Yes No]

The very first time you use R-Instat this may take several minutes, as many R packages will be installed. Please be patient! After your first use, this will be much faster as packages will already be installed.

Once the waiting dialog has disappeared you are ready to start using R-Instat!