

R- Package for Vehicle Fleet Composition (VFC) Model System

Installation Instructions

Installation Screenshots

- The presentation provides the installation screen shots for installing the software required to run Vehicle Fleet Composition (VFC) model package on a 64-bit Windows machine

Installing R and RStudio

Installing R

Installing R

- Download R package that is apt for your OS and System configuration from (<http://cran.r-project.org/>)

Download and Install R

Precompiled binary distributions of the base system and contributed packages, **Windows and Mac** users most likely want one of these versions of R:

- [Download R for Linux](#)
- [Download R for \(Mac\) OS X](#)
- [Download R for Windows](#)

R is part of many Linux distributions, you should check with your Linux package management system in addition to the link above

Source Code for all Platforms

Windows and Mac users most likely want to download the precompiled binaries listed in the upper box, not the source code. The sources have to be compiled before you can use them. If you do not know what this means, you probably do not want to do it!

- The latest release (2014-04-10, Spring Dance) [R 3.1.0 tar.gz](#), read [what's new](#) in the latest version.
- Sources of [R alpha and beta releases](#) (daily snapshots, created only in time periods before a planned release).
- Daily snapshots of current patched and development versions are [available here](#). Please read about [new features and bug fixes](#) before filing corresponding feature requests or bug reports.
- Source code of older versions of R is [available here](#).
- Contributed extension [packages](#)

Questions About R

- If you have questions about R like how to download and install the software, or what the license terms are, please read our [answers to frequently asked questions](#) before you send an email.

Installing R

R-3.2.0 for Windows (32/64 bit)

[Download R 3.2.0 for Windows](#) (62 megabytes, 32/64 bit)

[Installation and other instructions](#)
[New features in this version](#)

If you want to double-check that the package you have downloaded exactly matches the package distributed by R, you can compare the [md5sum](#) of the .exe to the [true fingerprint](#). You will need a version of md5sum for windows: both [graphical](#) and [command line versions](#) are available.

Frequently asked questions

- [How do I install R when using Windows Vista?](#)
- [How do I update packages in my previous version of R?](#)
- [Should I run 32-bit or 64-bit R?](#)

Please see the [R FAQ](#) for general information about R and the [R Windows FAQ](#) for Windows-specific information.

Other builds

- Patches to this release are incorporated in the [patched snapshot build](#).
- A build of the development version (which will eventually become the next major release of R) is available in the [c-devel snapshot build](#).
- [Previous releases](#)

Note to webmasters: A stable link which will redirect to the current Windows binary release is [CRAN.MIRROR::bin/windows/latest/release.htm](#).

Last change: 2015-04-17, by Duncan Murdoch

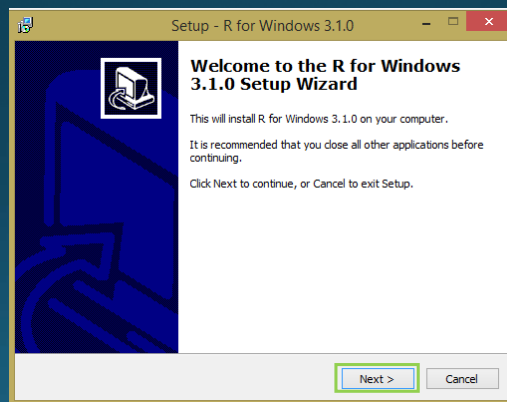
Installing R

- Download and double click on the executable file
- Click on the executable file to begin installation process and select preferred language for installation



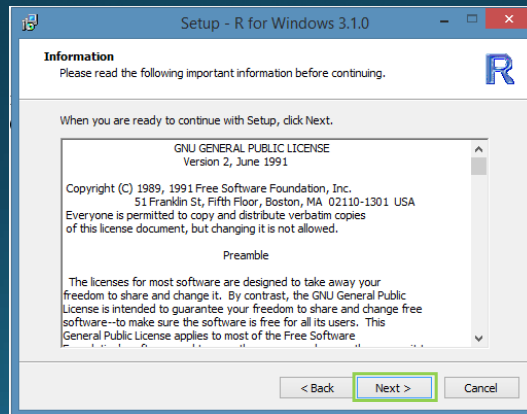
Installing R

- Click **Next**



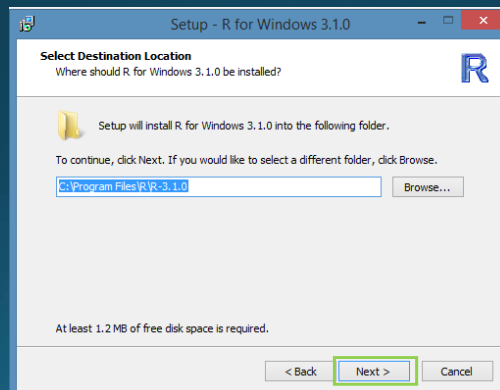
Installing R

- Click **Next**



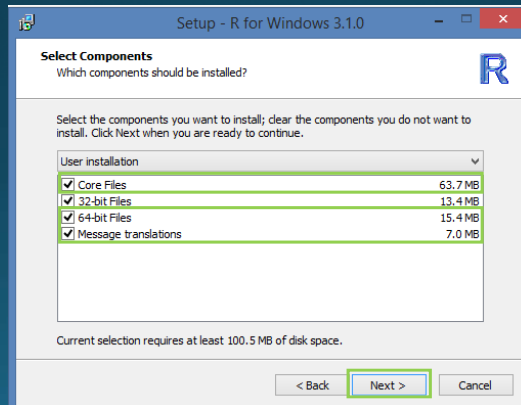
Installing R

- Select a directory for installing R and click **Next**. You can leave this as the default directory selected by the software



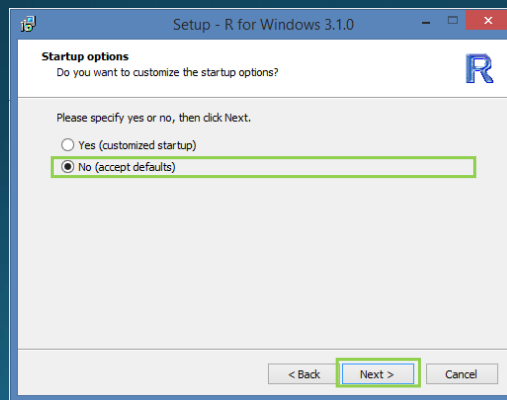
Installing R

- Check 'Core files' and 'Message Translations' boxes and the box that pertains to configuration of your system
- Click **Next**



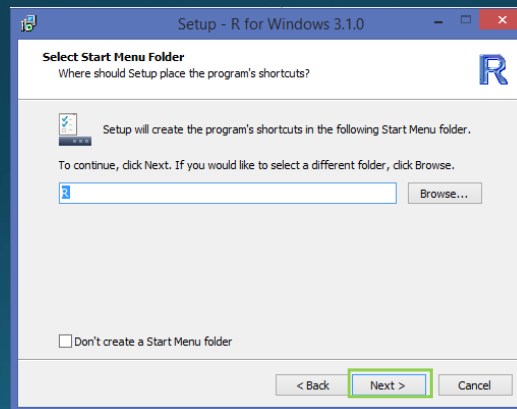
Installing R

- Check 'No (accept defaults)' option and click Next



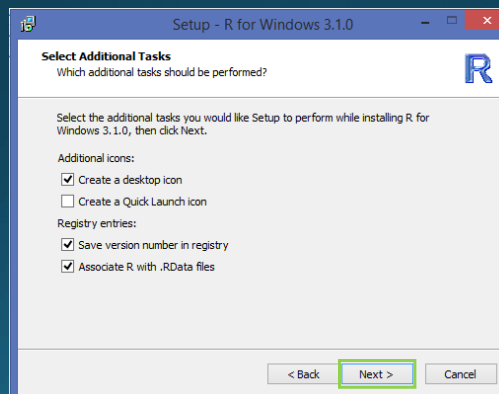
Installing R

- Click **Next**



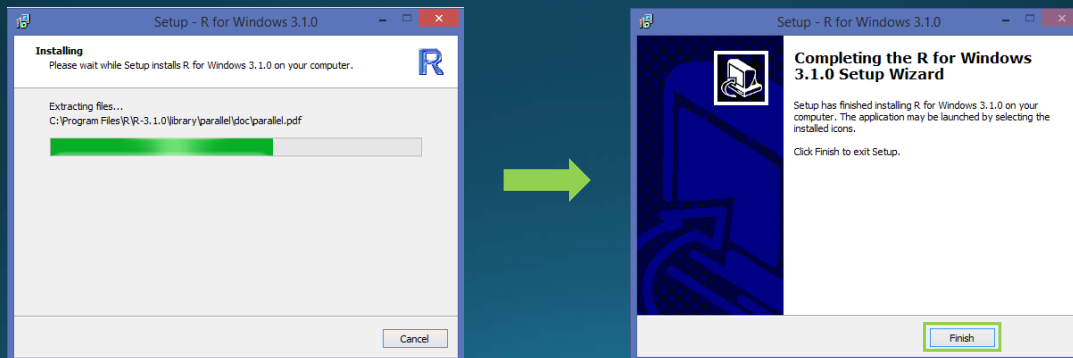
Installing R

- Leave the default options selected by the program intact and click **Next**



Installing R

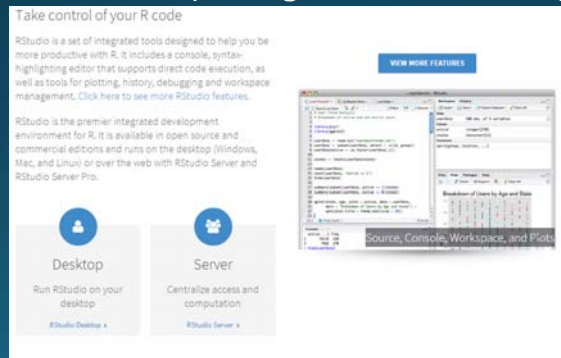
- Wait for the setup to install all files and click **Finish**



Installing RStudio

Installing RStudio

- Download RStudio package that pertains to your System configuration from (<http://www.rstudio.com/products/rstudio>)
- Please be sure to install R package before installing RStudio



Installing RStudio

RStudio Desktop		
	Open Source Edition	Commercial License
Overview	<ul style="list-style-type: none">• Access RStudio locally• Syntax highlighting, code completion, and smart indentation• Execute R code directly from the source editor• Quickly jump to function definitions• Easily manage multiple working directories using projects• Integrated R help and documentation• Interactive debugger to diagnose and fix errors quickly• Extensive package development tools	<p>All of the features of open source; plus:</p> <ul style="list-style-type: none">• A commercial license for organizations not able to use AGPL software• Access to priority support
Support	Community forums only	<ul style="list-style-type: none">• Priority Email Support• 8 hour response during business hours (ET)
License	AGPL v3	RStudio License Agreement
Pricing	Free	\$995/year
	DOWNLOAD RSTUDIO DESKTOP	BUY NOW

Installing RStudio

Download RStudio

RStudio is a set of integrated tools designed to help you be more productive with R. It includes a console, syntax-highlighting editor that supports direct code execution, as well as tools for plotting, history, debugging and workspace management.

If you run R on a Linux server and want to enable users to remotely access RStudio using a web browser please download RStudio Server.

Do you need support or a commercial license?
Check out our commercial offerings.

RStudio Desktop 0.98.1103 — Release Notes

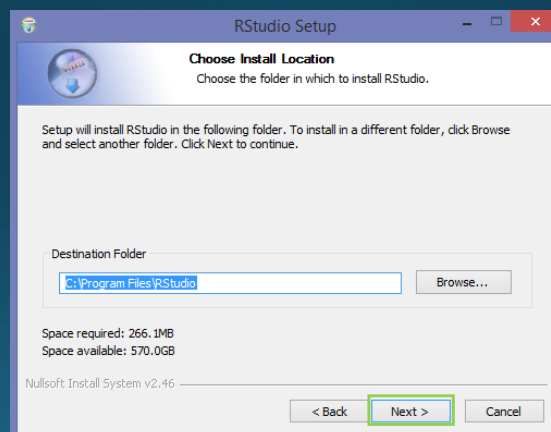
RStudio requires R 2.11.1 (or higher). If you don't already have R, you can download it [here](#).

Installers for Supported Platforms

Platform	Size	Date	MD5
RStudio 0.98.1103 - Windows x64 (64-bit)	47.4 MB	2015-03-07	65b22a3836c8ba7117c131c2efa489ac
RStudio 0.98.1103 - Mac OS X 10.6+ (64-bit)	43.7 MB	2015-03-07	94d897b0d1a954473654ec7a67d04a83
RStudio 0.98.1103 - Debian 6+/Ubuntu 10.04+ (32-bit)	46.5 MB	2015-03-07	723f0c928d9c0004c08855d1421c24
RStudio 0.98.1103 - Debian 6+/Ubuntu 10.04+ (64-bit)	51.4 MB	2015-03-07	4426d2797a27c7b6d000394c100085a8e
RStudio 0.98.1103 - Fedora 13+/Redhat 7+/openSUSE 11.4+ (32-bit)	46.9 MB	2015-03-07	c3c286b2d29ebd99b0b0c01385c7531d
RStudio 0.98.1103 - Fedora 13+/Redhat 7+/openSUSE 11.4+ (64-bit)	51.5 MB	2015-03-07	w39c9ec871d44b67a567d819246001

Installing RStudio

- Select a directory for installing RStudio and click **Next**



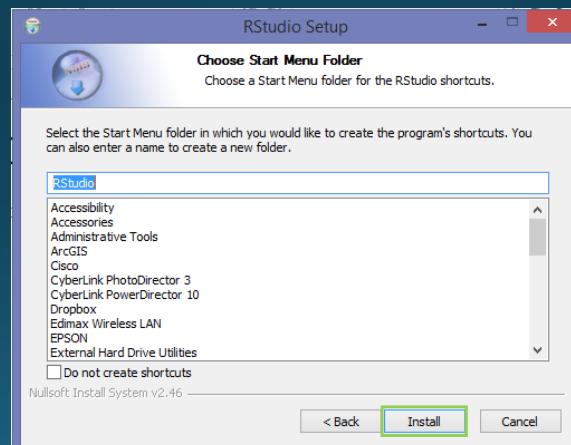
Installing RStudio

- Download and double click on the executable
- Click **Next**



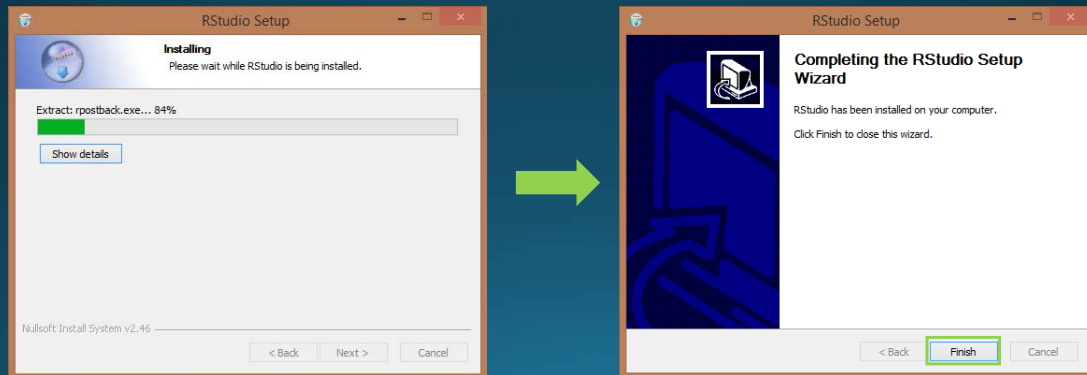
Installing RStudio

- Click **Install**



Installing RStudio

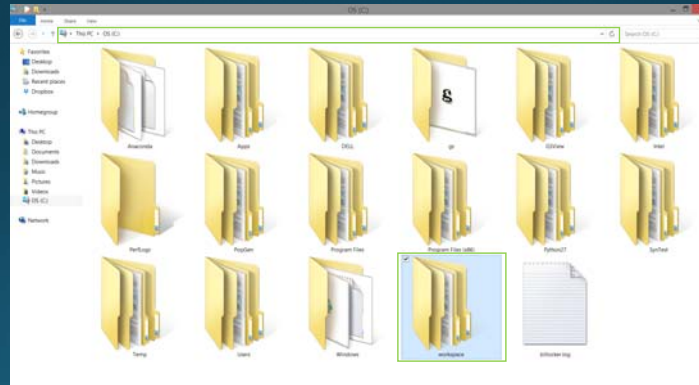
- Wait for the setup to install all files and click **Finish**



VFC Code

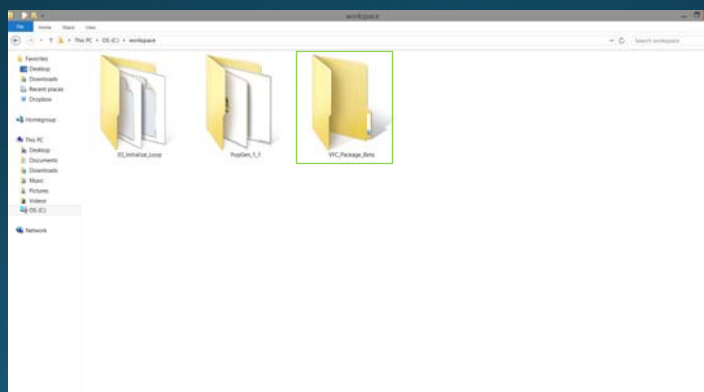
VFC Code

- Create a new folder labeled 'workspace' in 'C' drive of your computer, if you don't already have one



VFC Code

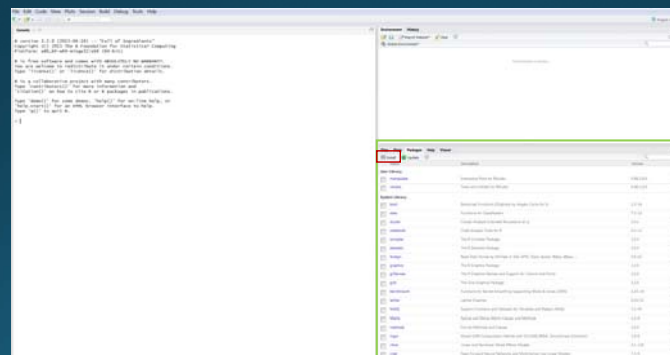
- Copy the 'VFC_Package_Beta' folder from the dropbox link into the 'workspace' folder



Installing Supplementary Packages

Installing Supplementary Packages

- Open Rstudio and locate 'Packages' tab on the lower right corner and click on **Install**



Installing Supplementary Packages

- The following packages are required to run estimation/application codes in the VFC package
- These packages can be installed one at a time or all together by typing their name(s) in the 'Packages' window

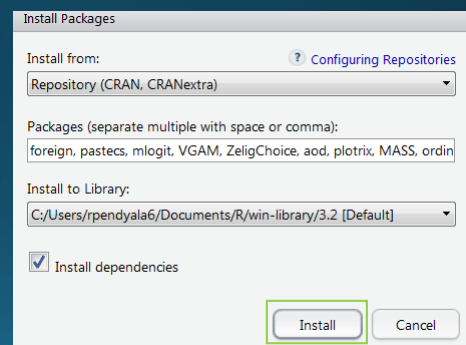
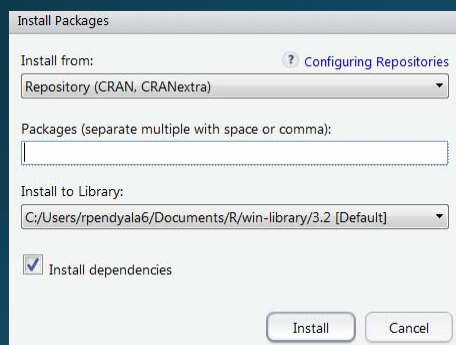
Supplementary Packages - I

- foreign
- pastecs
- mlogit
- VGAM
- ZeligChoice
- aod
- plotrix
- MASS
- Ordinal

Supplementary Packages - II

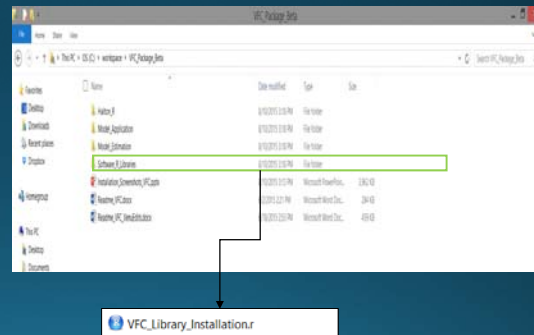
- digest
- gWidgets
- gWidgetstcltk
- lmtest
- maxLik
- miscTools

Installing Supplementary Packages



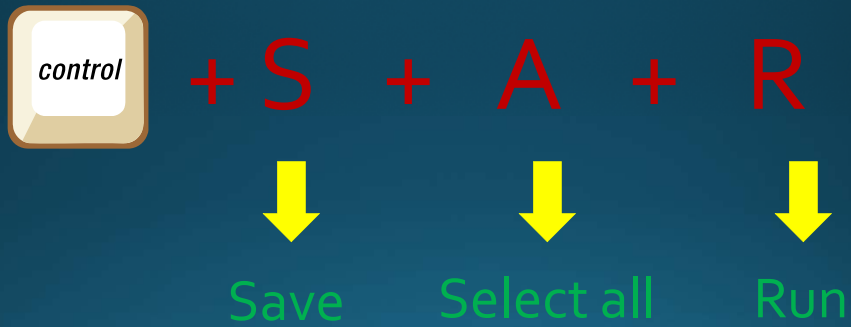
Installing Supplementary Packages

- Alternately, these packages can be installed in a single step by running (Ctrl + A + and Ctrl + R) the script 'VFC_Library_Installation.R' in the sub-folder 'Software_R_Libraries'



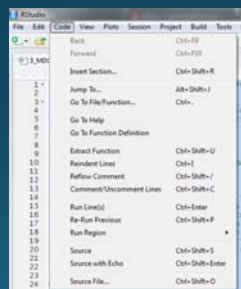
Running the VFC Code

To Run the Code



Useful Commands

- Ctrl + Shift + C → Comment/Uncomment
- Ctrl + I → Clear command window
- Others



The 3 C's of R-Coding

- C heck the path
- C lean the code
- C heck for package updates

Contact Information



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Thank You!