

R 설치하기



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Help With R

The R Project for Statistical Computing

Getting Started

R is a free software environment for statistical computing and graphics. It compiles and runs on a wide variety of UNIX platforms, Windows and MacOS. To **download R**, please choose your preferred [CRAN mirror](#).

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.

News

- **R version 3.5.1 (Feather Spray) prerelease versions** will appear starting Friday 2018-06-22. Final release is scheduled for Monday 2018-07-02.
- **R version 3.5.0 (Joy in Playing)** has been released on 2018-04-23.
- **R version 3.4.4 (Someone to Lean On)** has been released on 2018-03-15.
- **useR! 2018** (July 10 - 13 in Brisbane) is open for registration at <https://user2018.r-project.org>
- **The R Journal Volume 9/2** is available.
- **useR! 2017** took place July 4 - 7 in Brussels <https://user2017.brussels>
- The **R Logo** is available for download in high-resolution PNG or SVG formats.

Windows 정품 인증

[설정]으로 이동하여 Windows를 정품

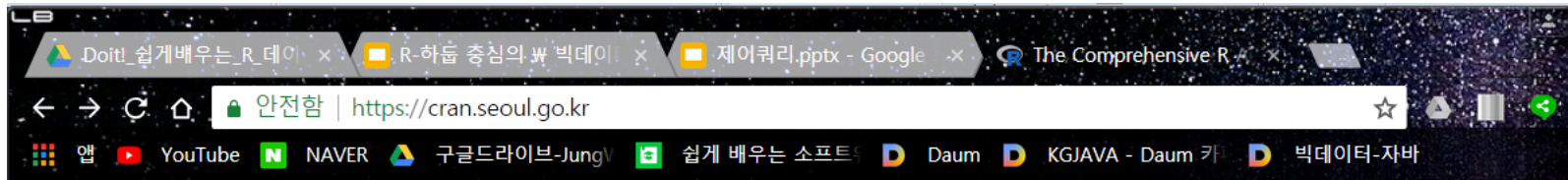
Doit! 쉽게 배우는 R 데이터 분석 × R-하둡 충치의 뽕 빅데이터 × 제이쿼리.pptx - Google × CRAN - Mirrors

← → ↻ 🏠 🔒 안전함 | <https://cran.r-project.org/mirrors.html> ☆

앱 YouTube N NAVER 구글드라이브-JungV 📄 쉽게 배우는 소프트웨어 Daum KGJAVA - Daum 카 빅데이터-자바

	https://repo.bppt.go.id/cran/	Agency for The Application and Assessment of Technology
Iran	https://cran.um.ac.ir/	Ferdowsi University of Mashhad
	http://cran.um.ac.ir/	Ferdowsi University of Mashhad
Ireland	https://ftp.heanet.ie/mirrors/cran.r-project.org/	HEAnet, Dublin
	http://ftp.heanet.ie/mirrors/cran.r-project.org/	HEAnet, Dublin
Italy	http://cran.mirror.garr.it/mirrors/CRAN/	Garr Mirror, Milano
	https://cran.stat.unipd.it/	University of Padua
	http://cran.stat.unipd.it/	University of Padua
	http://dssm.unipa.it/CRAN/	Universita degli Studi di Palermo
Japan	https://cran.ism.ac.jp/	The Institute of Statistical Mathematics, Tokyo
	http://cran.ism.ac.jp/	The Institute of Statistical Mathematics, Tokyo
	https://ftp.yz.yamagata-u.ac.jp/pub/cran/	Yamagata University
Korea	https://cran.seoul.go.kr/	Bigdata Campus, Seoul Metropolitan Government
	http://healthstat.snu.ac.kr/CRAN/	Graduate School of Public Health, Seoul National University, Seoul
	https://cran.biodisk.org/	The Genome Institute of UNIST (Ulsan National Institute of Science and Technology)
	http://cran.biodisk.org/	The Genome Institute of UNIST (Ulsan National Institute of Science and Technology)

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The Comprehensive R Archive Network

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:

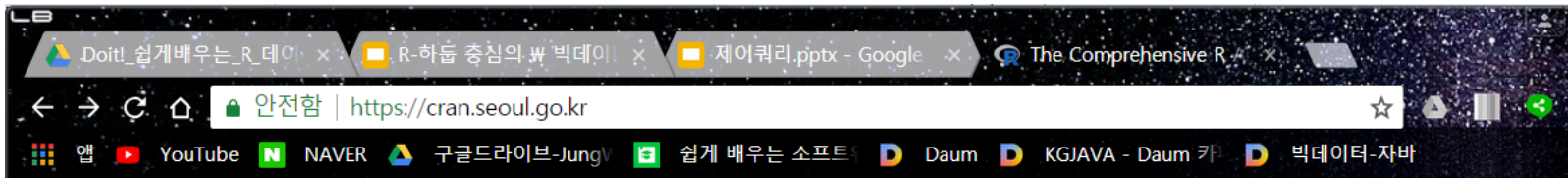
- [Download R for Linux](#)
- [Download R for \(Mac\) OS X](#)
- [Download R for Windows](#)


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 (2018-04-23, Joy in Playing) [R-3.5.0.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 correspondence.





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R for Windows

Subdirectories:

base	Binaries for base distribution. This is what you want to install R for the first time .
contrib	Binaries of contributed CRAN packages (for R >= 2.13.x; managed by Uwe Ligges). There is also information on third party software available for CRAN Windows services and corresponding environment and make variables.
old contrib	Binaries of contributed CRAN packages for outdated versions of R (for R < 2.13.x; managed by Uwe Ligges).
Rtools	Tools to build R and R packages. This is what you want to build your own packages on Windows, or to build R itself.

Please do not submit binaries to CRAN. Package developers might want to contact Uwe Ligges dire of questions / suggestions related to Windows binaries.

You may also want to read the [R FAQ](#) and [R for Windows FAQ](#).

Note: CRAN does some checks on these binaries for viruses, but cannot give guarantees. Use the no precautions with downloaded executables.



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R-3.5.0 for Windows (32/64 bit)

[Download R 3.5.0 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 matches the package distributed by [fingerprint](#) on the master server. You will need a version of md5sum for windows: both [graphical](#) and [command line](#)


Frequently asked questions

- [Does R run under my version of Windows?](#)
- [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 [r-patched snapshot build](#).
- A build of the development version (which will eventually become the next major release of R) is available
- [Previous releases](#)

 R logo

R-3.3.2 for Windows (32/64 bit)

[Download R 3.3.2 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

- [Does R run under my version of Windows?](#)
- [How do I update packages in my previous version of R?](#)
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cran.nexr.com의 R-3.3.2-win.exe(70.4MB)을(를) 실행하거나 저장하시겠습니까?

이 형식의 파일은 사용자의 컴퓨터에 피해를 줄 수 있습니다.

실행(R)











저장(S)

취소(C)


저장(S)

다른 이름으로 저장(A)

저장 후 실행(R)

http://cran.nexr.com/index.htmlThe Comprehensive R Arc... x

파일(F) 편집(E) 보기(V) 즐겨찾기(A) 도구(D) 도움말(H)

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R-3.3.2 for Windows (32/64 bit)

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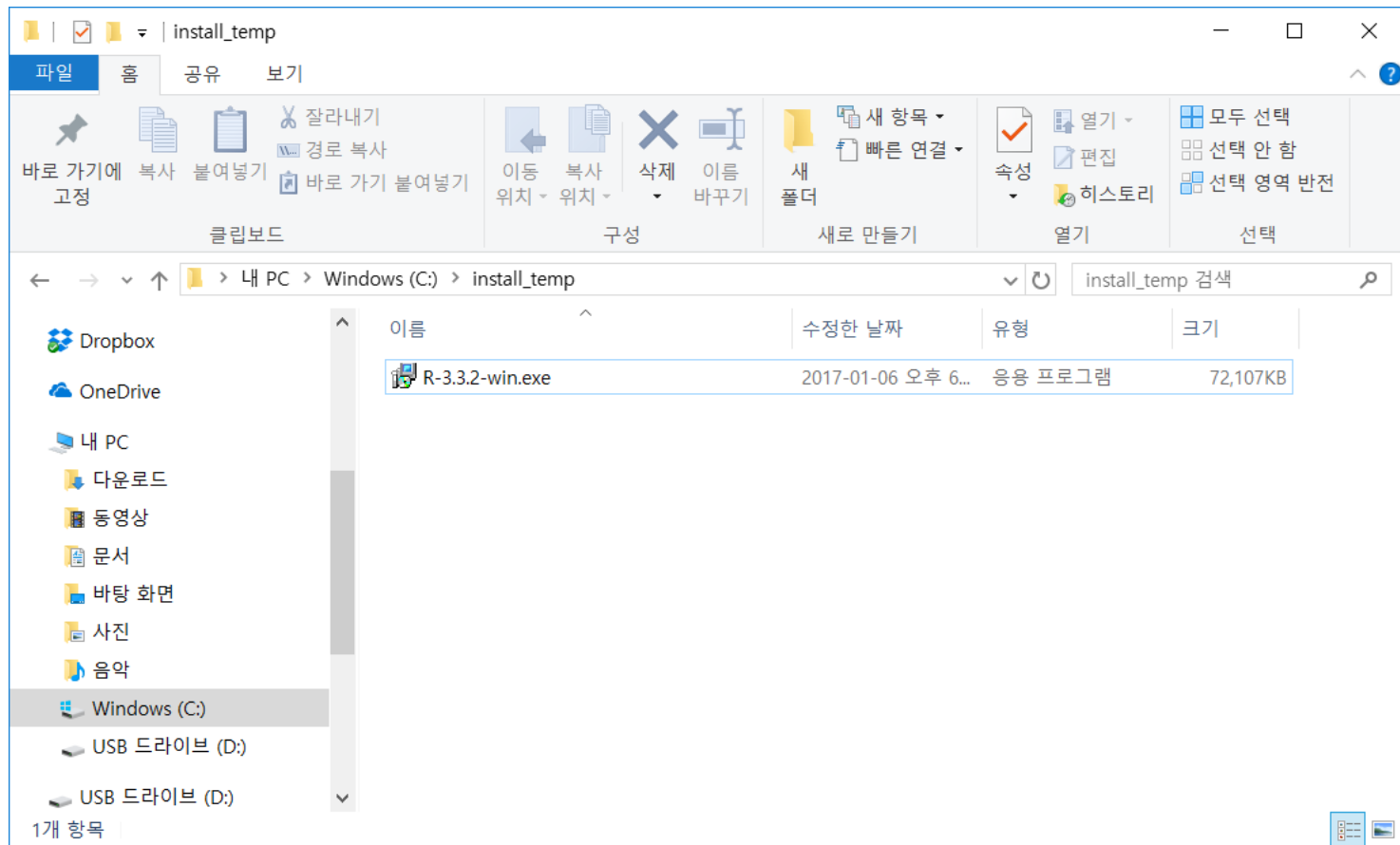
If you want to double-check that the package you have downloaded exactly matches the package distributed by R, you can compare the [md5sum](#) of the .exe to the [true fingerprint](#). You will need a version of md5sum for windows: both [graphical](#) and [command line versions](#) are available.

Frequently asked questions

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- [How do I update packages in my previous version of R?](#)
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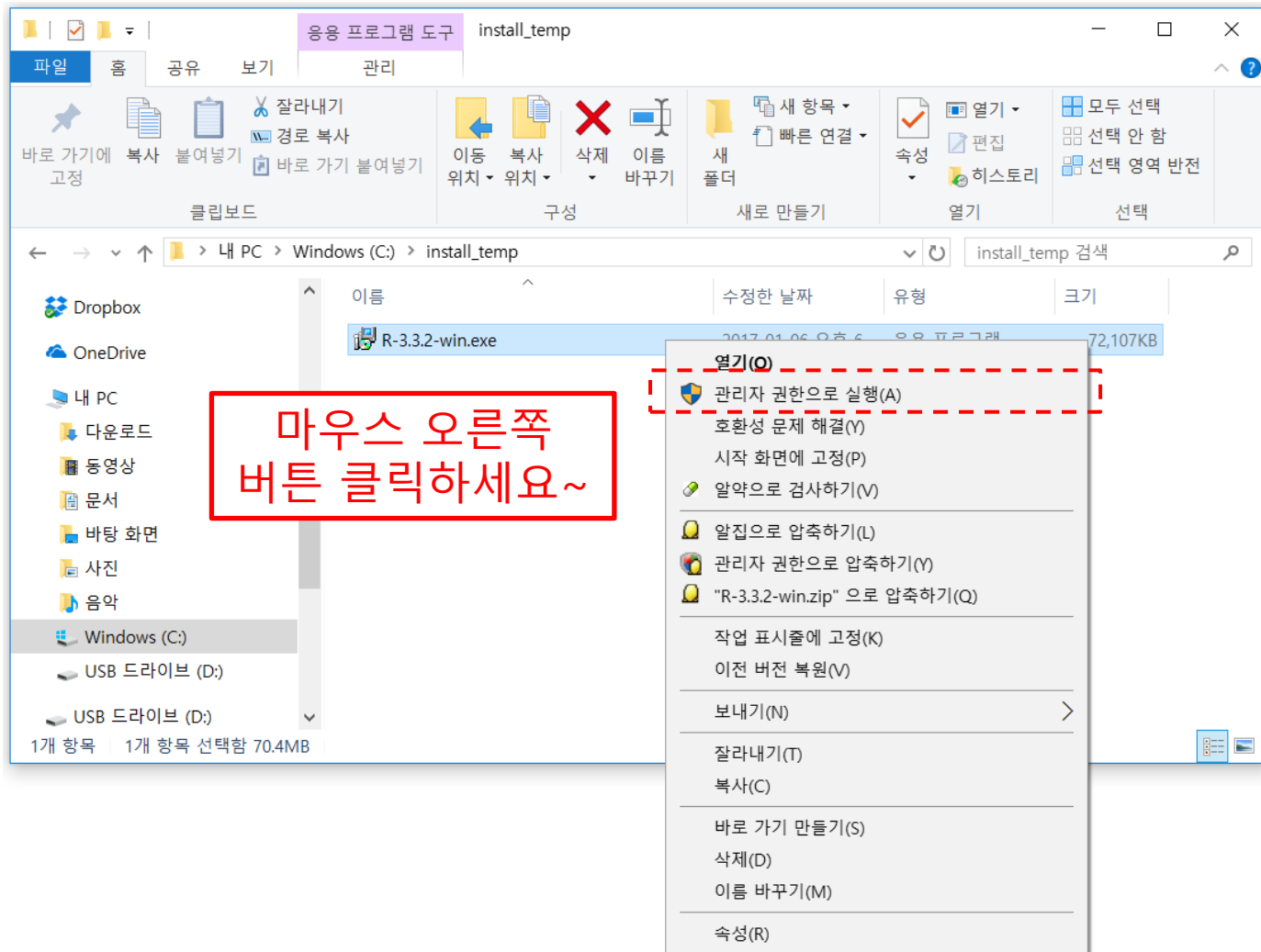
Please see the [R FAQ](#) for general information about R and the [R Windows FAQ](#) for Windows-specific information.

 R-3.3.2-win.exe의 게시자를 확인할 수 없습니다. [자세한 정보\(U\)](#) 실행(R) 다운로드 보기(V) x

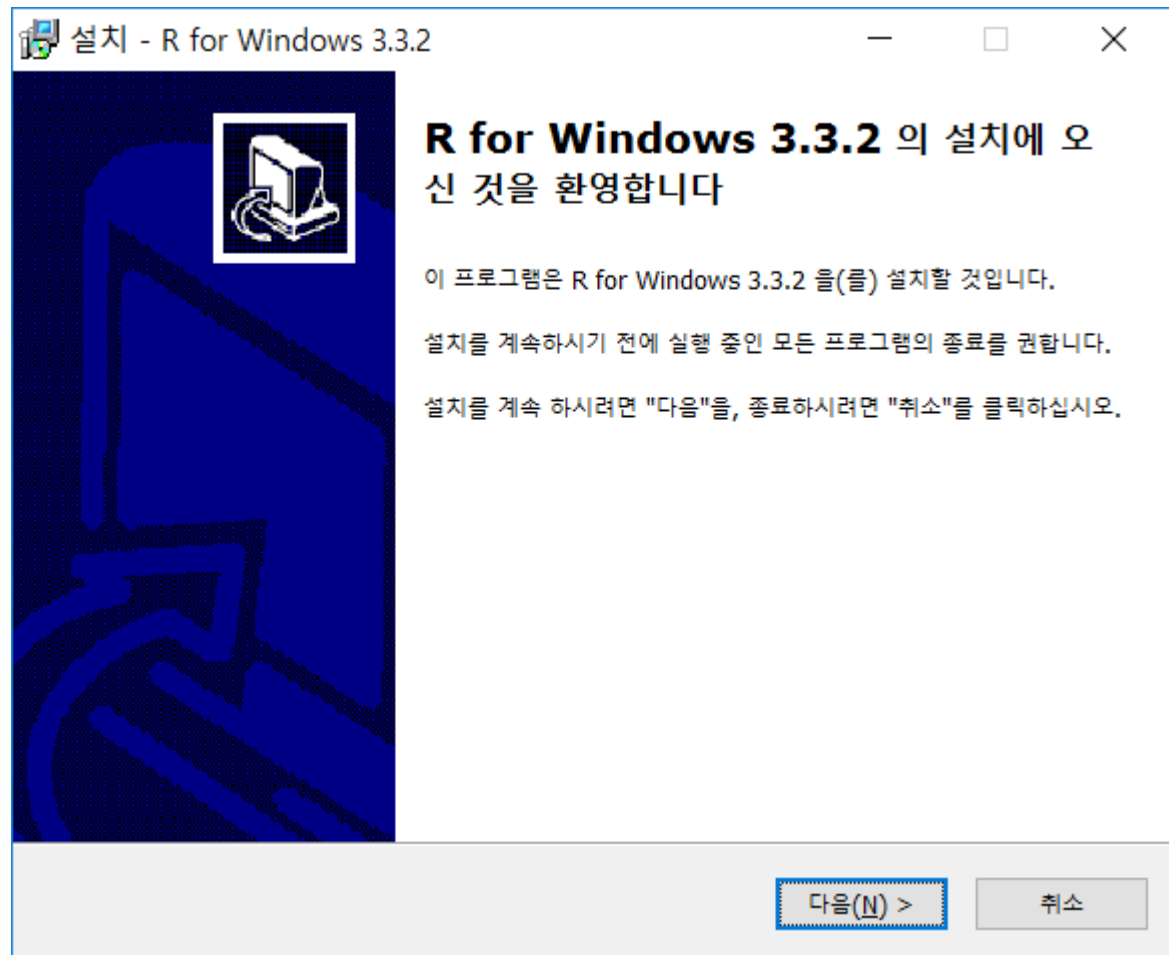
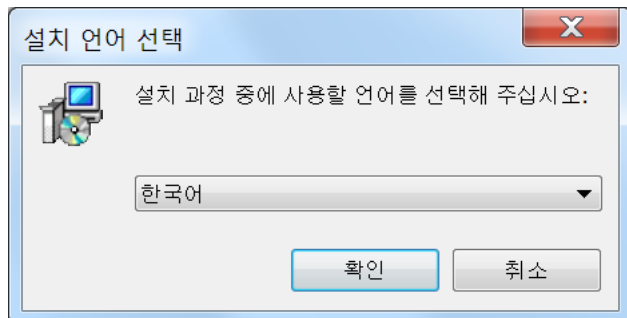


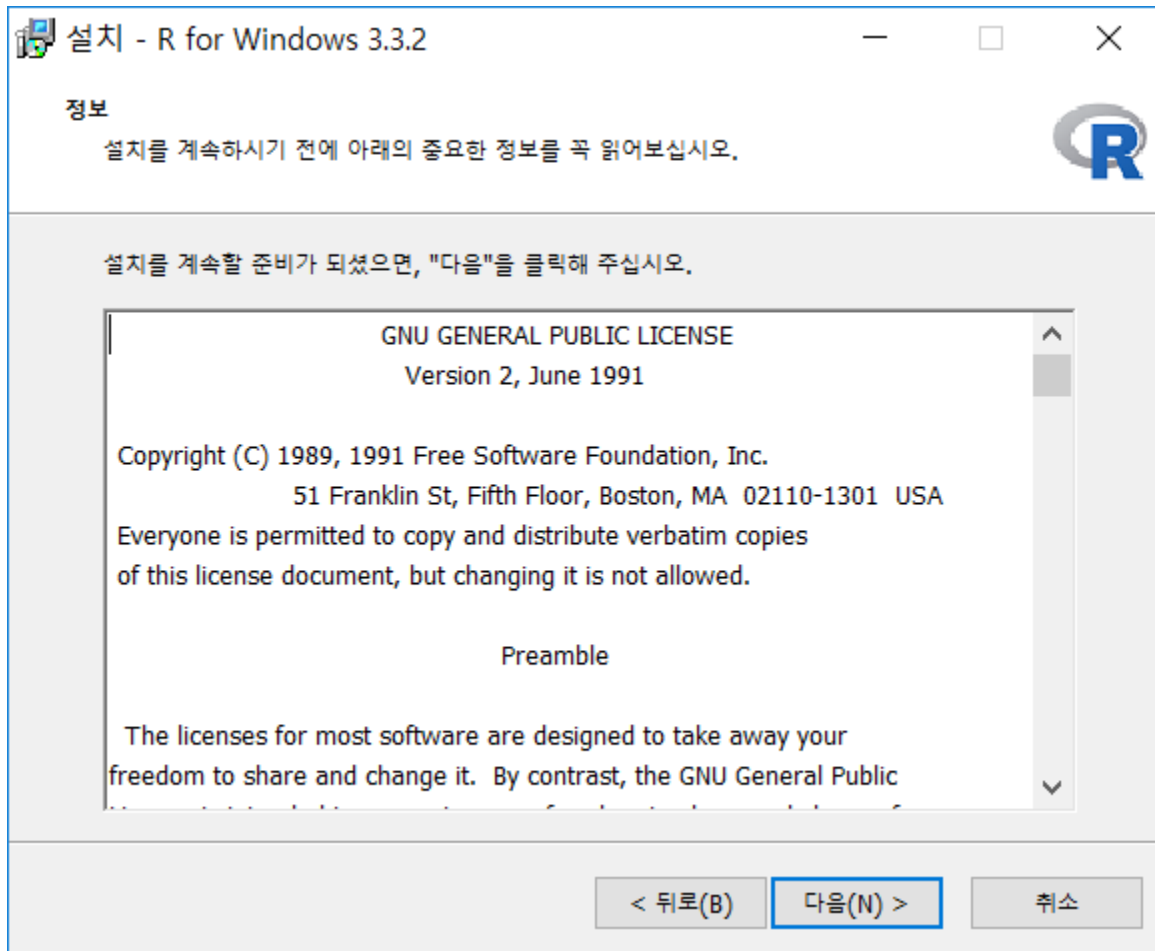
Chap 1.R 설치하기 & 패키지 관리하기

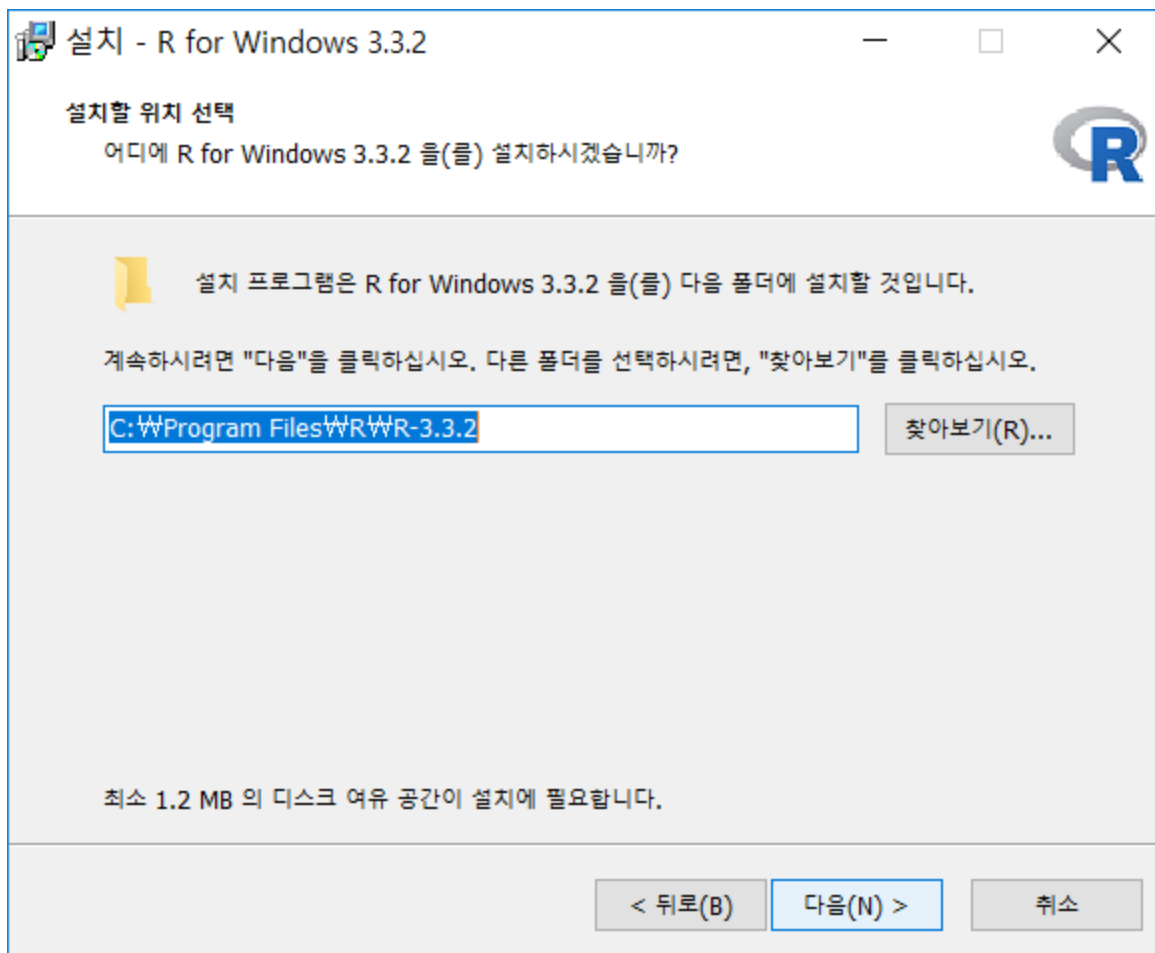
Step 2. 다운로드 받은 설치파일을 **관리자 권한**으로 실행합니다.

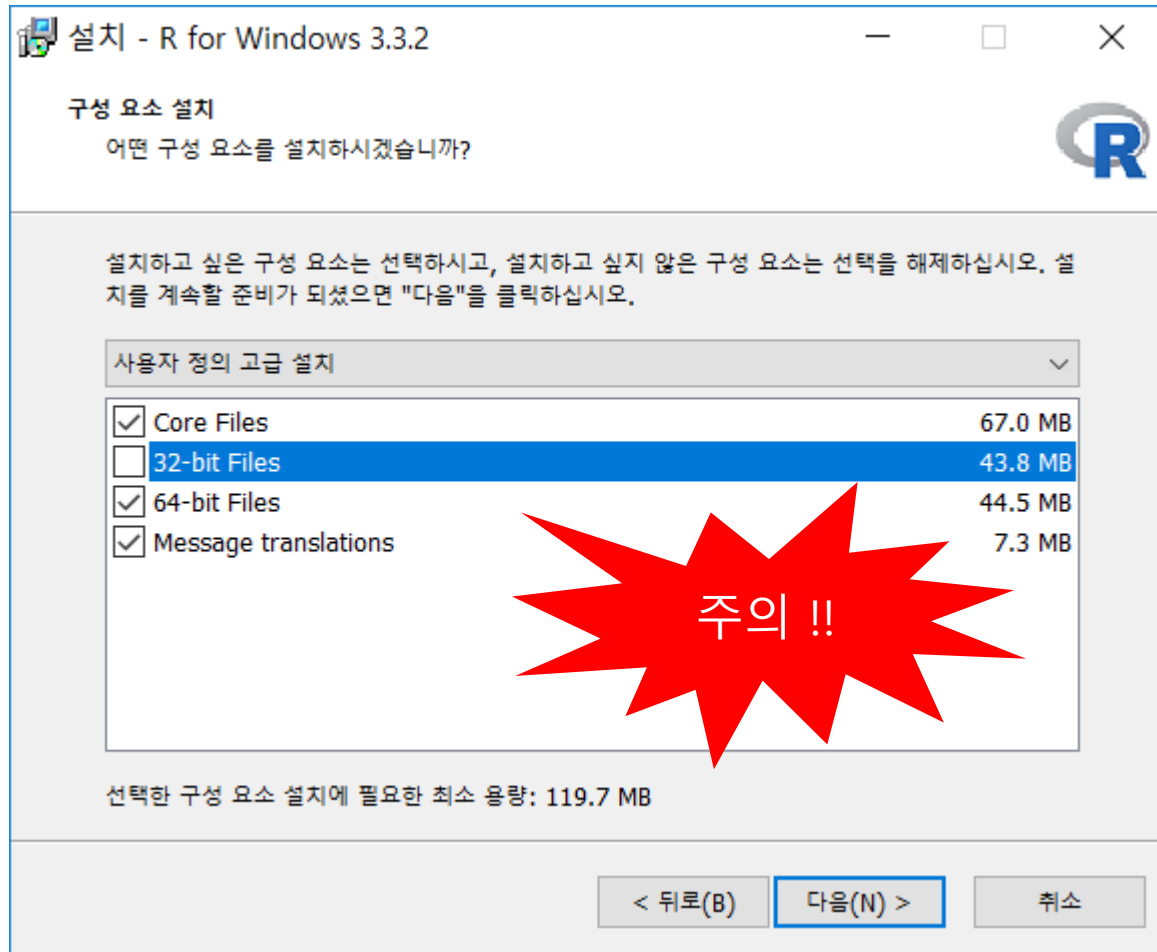


Chap 1.R 설치하기 & 패키지 관리하기










- Core Files
- Message... 꼭 설치하세요 !

- 32-bit Files 와
- 64-bit Files 는 선택 주의 !



설치 - R for Windows 3.3.2

스타트업 옵션

스타트업 옵션을 조정하길 원하시나요?

yes 혹은 no 를 선택하신 뒤에 Next 를 눌러주세요

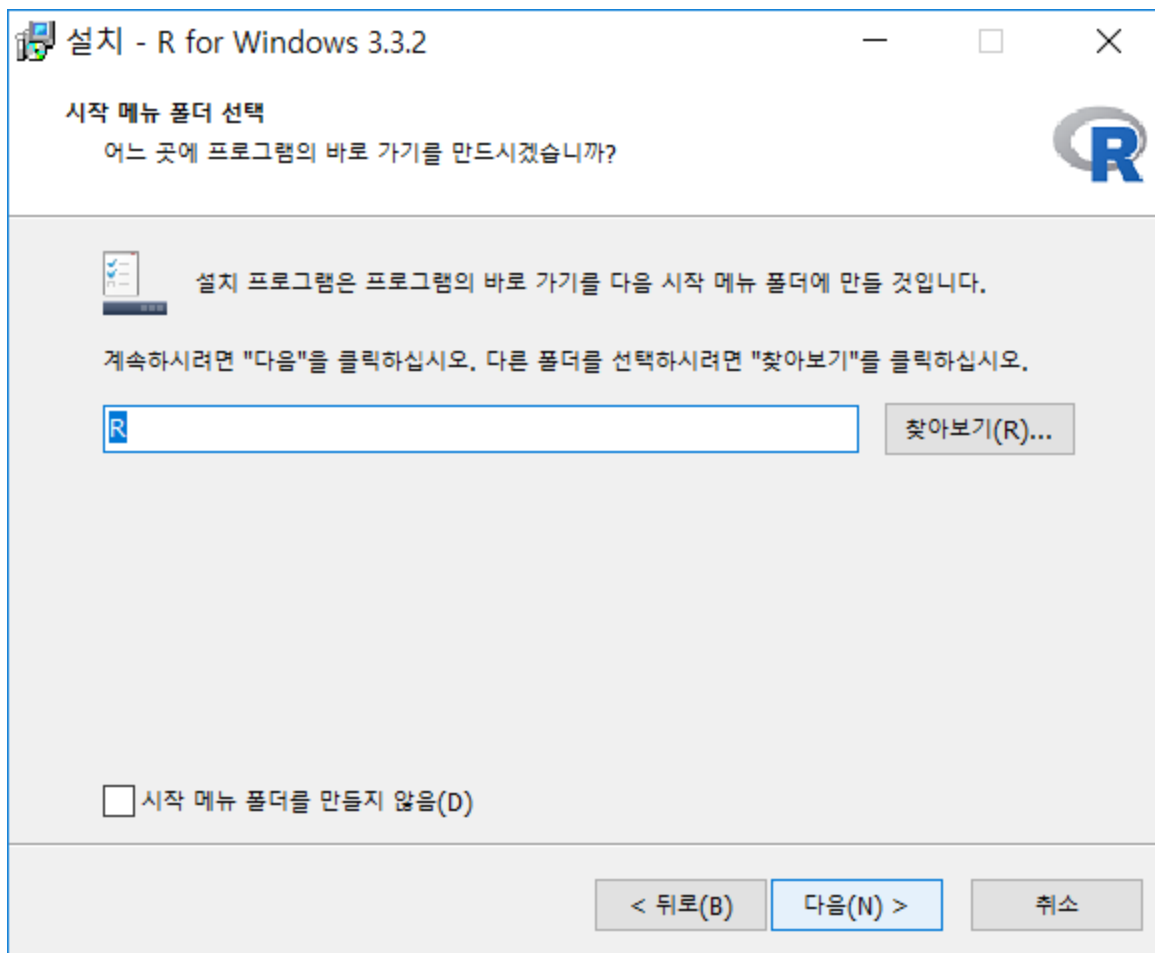
☐ Yes (스타트업 조정)


☒ No (기본값 사용)

< 뒤로(B)

다음(N) >

취소





설치 - R for Windows 3.3.2

—

□

×

추가 사항 적용

어떤 사항을 추가로 적용하시겠습니까?

R for Windows 3.3.2 의 설치 과정에서 추가로 적용하고자 하는 사항을 선택하시고, "다음"을 클릭하십시오.

아이콘 생성:

☒ 바탕 화면에 아이콘 생성(D)

☐ 빠른 실행에 아이콘 생성(Q)

레지스트리 항목들:

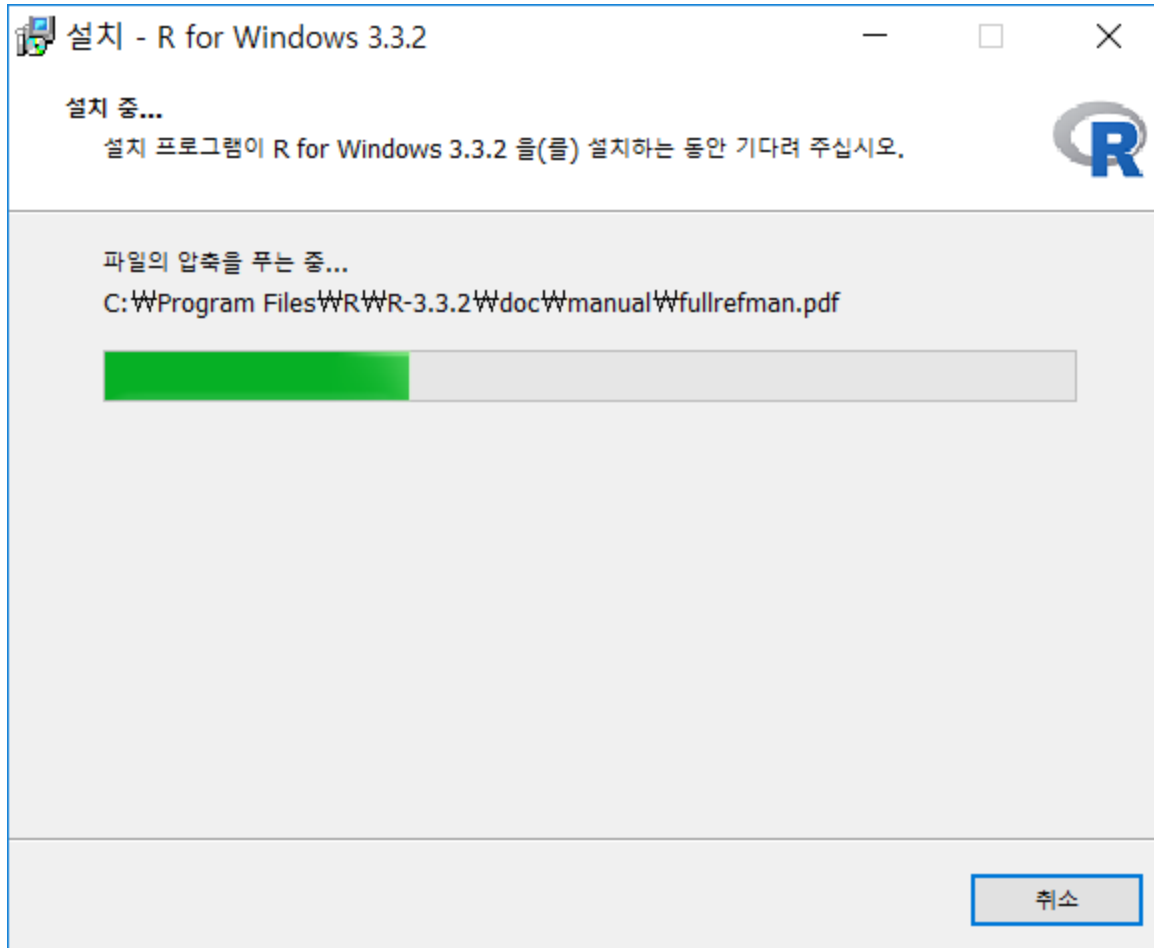
☒ 레지스트리에 버전정보를 저장하세요

☒ R을 .RData 파일들과 연결합니다

< 뒤로(B)

다음(N) >

취소



설치 - R for Windows 3.3.2

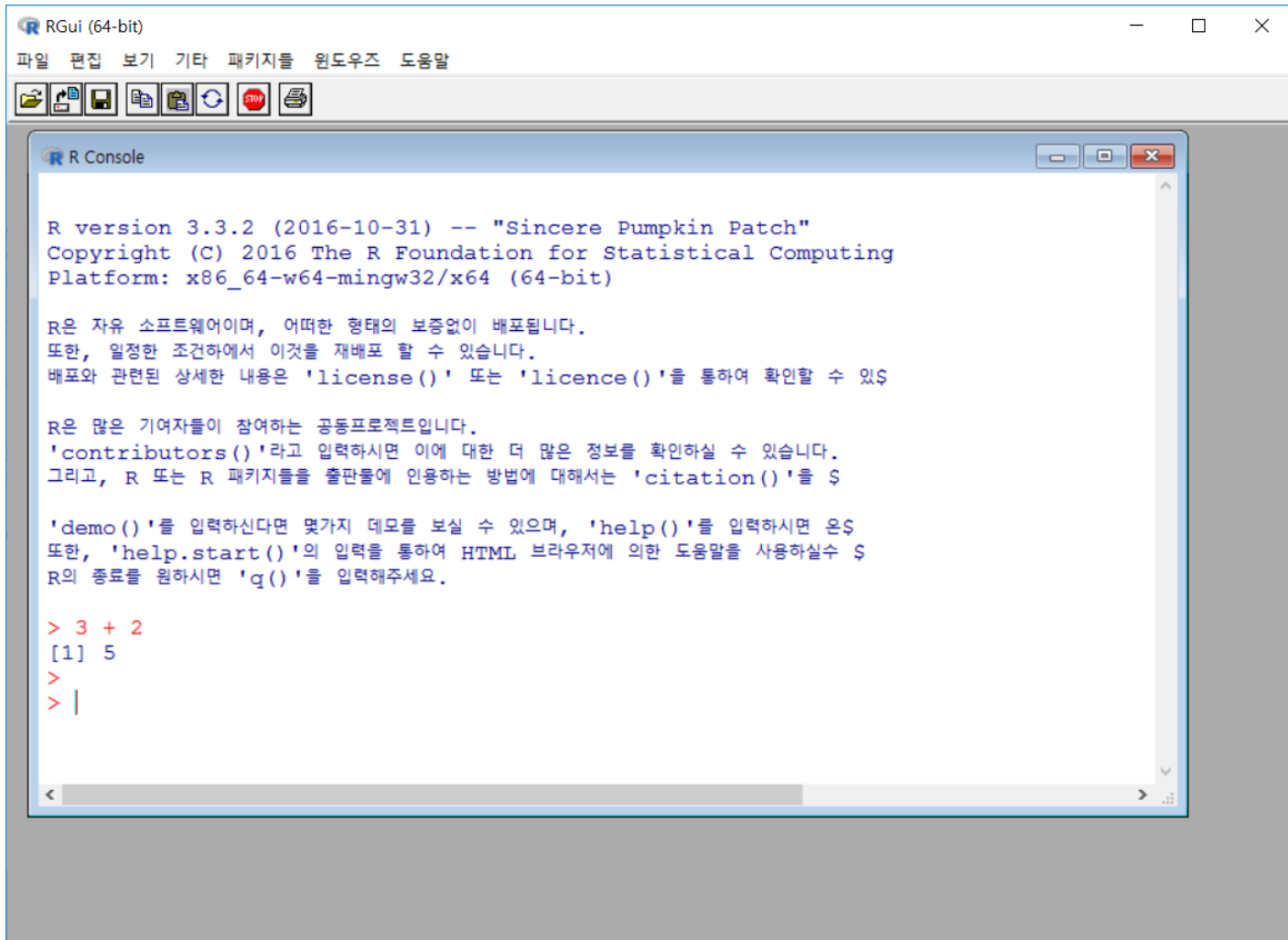


R for Windows 3.3.2 설치 완료

설치 프로그램이 R for Windows 3.3.2 의 설치를 완료했습니다. 설치된 바로 가기를 실행하시면 프로그램이 실행됩니다.

"완료"를 클릭하여 설치를 완료하십시오.

완료(F)





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Contributed Packages

Available Packages

Currently, the CRAN package repository features 12619 available packages.

[Table of available packages, sorted by date of publication](#)

[Table of available packages, sorted by name](#)

Installation of Packages

Please type `help("INSTALL")` or `help("install.packages")` in R for information on how to install packages from this repository. The manual [R Installation and Administration](#) (also contained in the R base sources) explains the process in detail.

[CRAN Task Views](#) allow you to browse packages by topic and provide tools to automatically install all packages for special areas of interest. Currently, 36 views are available.

Package Check Results


All packages are tested regularly on machines running [Debian GNU/Linux](#), [Fedora](#), OS X, Solaris and Windows.

The results are summarized in the [check summary](#) (some [timings](#) are also available). Additional details for Windows checking and building can be found in the [Windows check summary](#).

Writing Your Own Packages

The manual [Writing R Extensions](#) (also contained in the R base sources) explains how to write new packages and how to contribute them to CRAN.

Repository Policies



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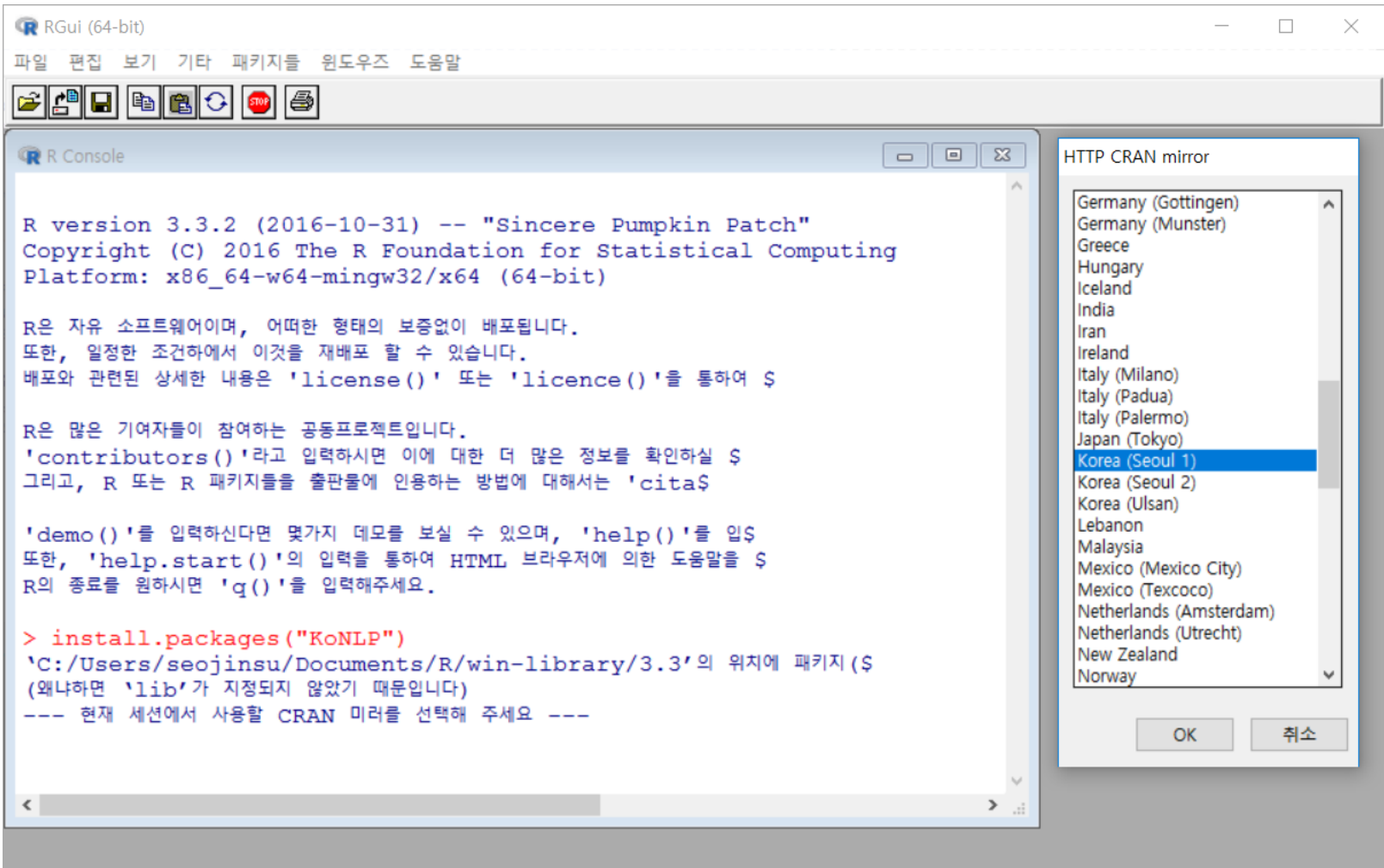
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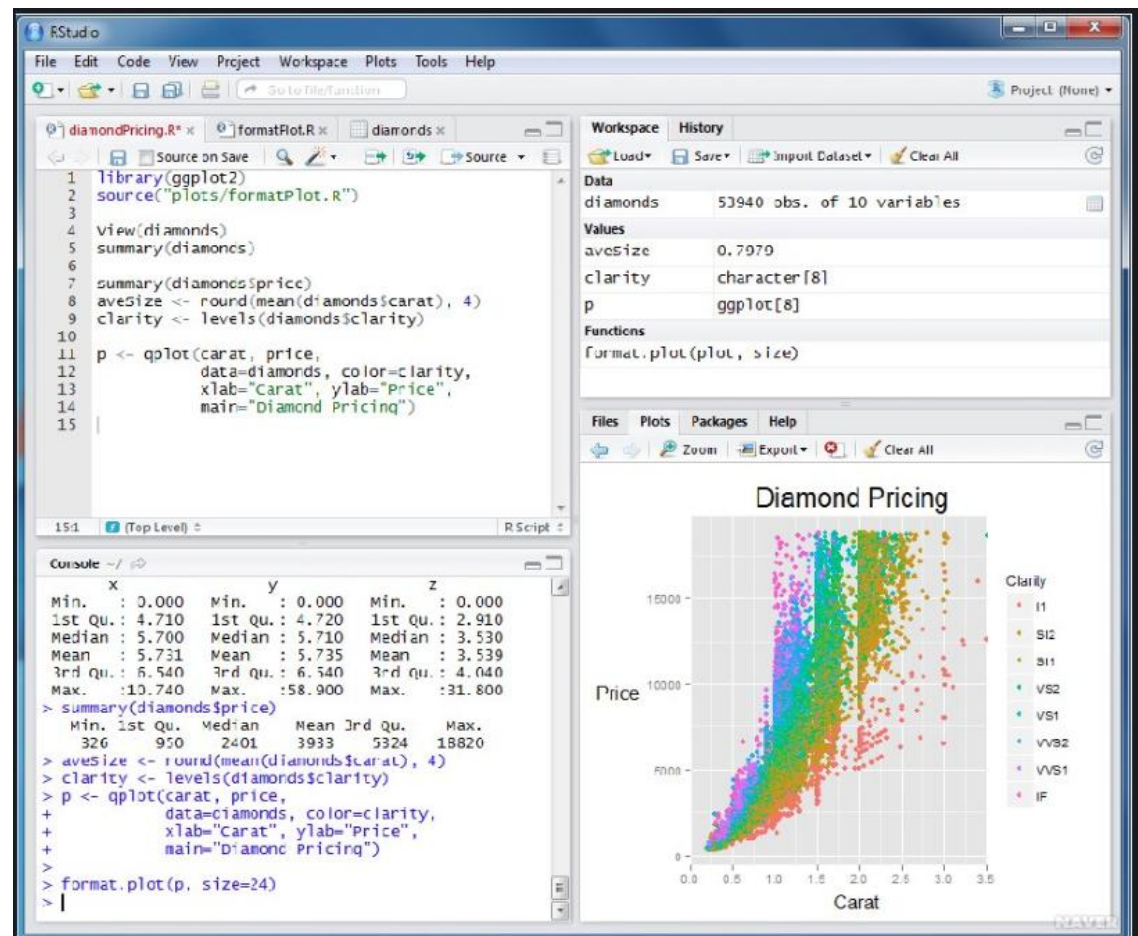
Available CRAN Packages By Name

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A3	Accurate, Adaptable, and Accessible Error Metrics for Predictive Models
abbyyR	Access to Abbyy Optical Character Recognition (OCR) API
abc	Tools for Approximate Bayesian Computation (ABC)
abc.data	Data Only: Tools for Approximate Bayesian Computation (ABC)
ABC.RAP	Array Based CpG Region Analysis Pipeline
ABCanalysis	Computed ABC Analysis
abcdeFBA	ABCDE_FBA: A-Biologist-Can-Do-Everything of Flux Balance Analysis with this package
ABCOptim	Implementation of Artificial Bee Colony (ABC) Optimization
ABCp2	Approximate Bayesian Computational Model for Estimating P2
abcrf	Approximate Bayesian Computation via Random Forests
abctools	Tools for ABC Analyses
abd	The Analysis of Biological Data
abe	Augmented Backward Elimination
abf2	Load Gap-Free Axon ABF2 Files
ABHgenotypeR	Easy Visualization of ABH Genotypes
abind	Combine Multidimensional Arrays
abjutils	Useful Tools for Jurimetrical Analysis Used by the Brazilian Jurimetrics Association
abn	Modelling Multivariate Data with Additive Bayesian Networks



<https://www.rstudio.com/products/rstudio/download/#download>



Choose Your Version of 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, and a variety of robust tools for plotting, viewing history, debugging and managing your workspace. [Learn More about RStudio features.](#)



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\$9,995 per year

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RStudio Connect
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\$29,995 per
year

TALK

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Integrated
Tools for R



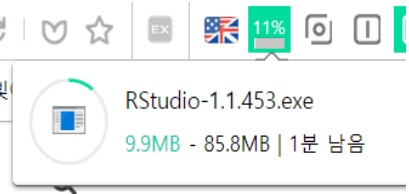
Priority
Support



Access via
Web Browser



Window
[설정]으로



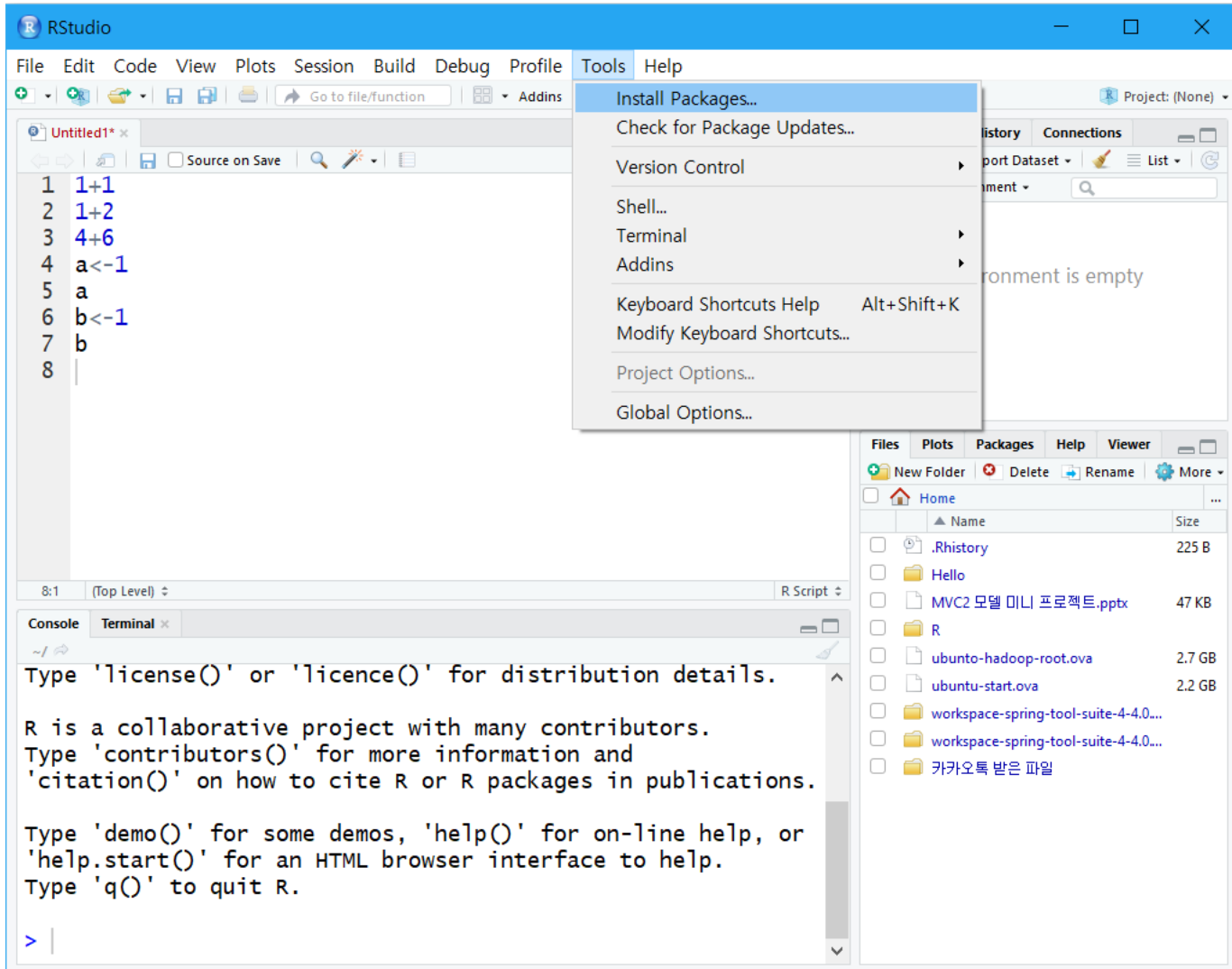
RStudio Desktop 1.1.453 — Release Notes

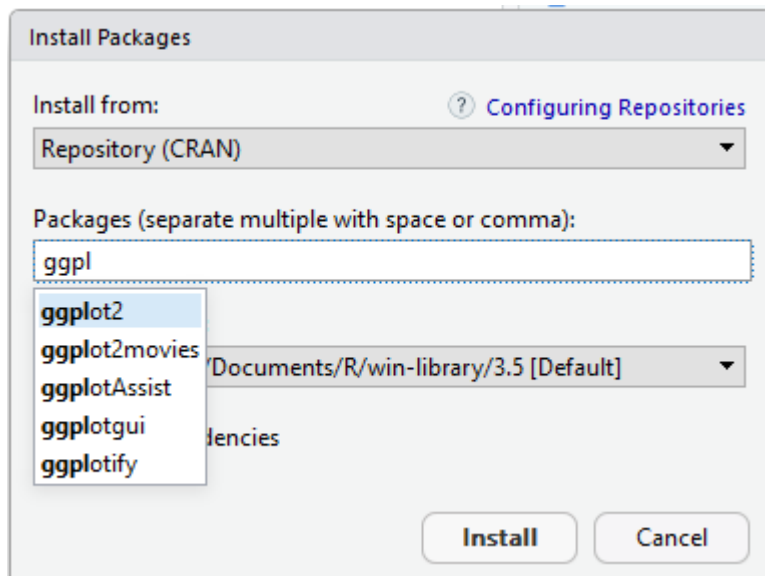
RStudio requires R 3.0.1+. If you don't already have R, download it [here](#).

Linux users may need to import RStudio's public code-signing key prior to installation, depending on the operating system's security policy.

Installers for Supported Platforms

Installers	Size	Date	MD5
RStudio 1.1.453 - Windows Vista/7/8/10	85.8 MB	2018-05-16	bf287e385aef53829204023087e98735
RStudio 1.1.453 - Mac OS X 10.6+ (64-bit)	74.5 MB	2018-05-16	00a0088424ed06ac434f7a966f602b9c
RStudio 1.1.453 - Ubuntu 12.04-15.10/Debian 8 (32-bit)	89.3 MB	2018-05-16	6cf d86770c7b6dbc13e66f4f59c299ce
RStudio 1.1.453 - Ubuntu 12.04-15.10/Debian 8 (64-bit)	97.4 MB	2018-05-16	63e36e8138e369d19f9aaf4b0e995bbc
RStudio 1.1.453 - Ubuntu 16.04+/Debian 9+ (64-bit)	64.4 MB	2018-05-16	85b3e76c9fad4613bc9cf0de1f34b183
RStudio 1.1.453 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (32-bit)	88.1 MB	2018-05-16	37cade7e162eab62483e6556e39dedee
RStudio 1.1.453 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (64-bit)	90.6 MB	2018-05-16	44cddd285bc31c41e4eac1d74b8eebb





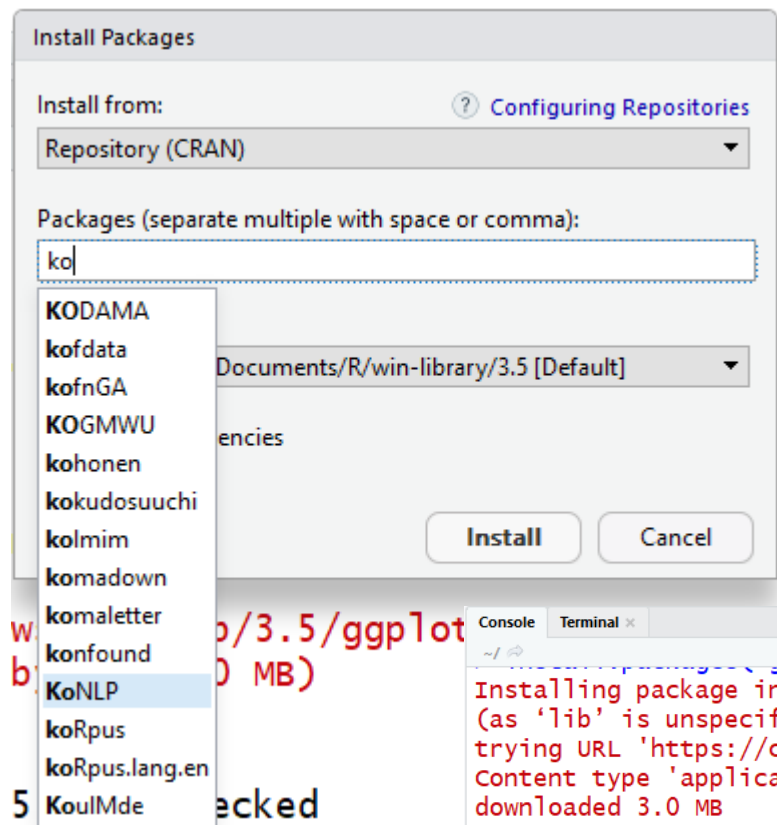
```
Console Terminal x
~/
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.

Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.

> install.packages("ggplot2")
Installing package into 'C:/Users/win10/Documents/R/win-library/3.5'
(as 'lib' is unspecified)
trying URL 'https://cran.rstudio.com/bin/windows/contrib/3.5/ggplot2_2.2.1.zip'
Content type 'application/zip' length 3156865 bytes (3.0 MB)
downloaded 3.0 MB

package 'ggplot2' successfully unpacked and MD5 sums checked

The downloaded binary packages are in
C:\Users\win10\AppData\Local\Temp\Rtmpwweja7\downloaded_packages
> |
```

```
Installing package into 'C:/Users/win10/Documents/R/win-library/3.5'
(as 'lib' is unspecified)
trying URL 'https://cran.rstudio.com/bin/windows/contrib/3.5/ggplot2_2.2.1.zip'
Content type 'application/zip' length 3156865 bytes (3.0 MB)
downloaded 3.0 MB

package 'ggplot2' successfully unpacked and MD5 sums checked

The downloaded binary packages are in
  C:\Users\win10\AppData\Local\Temp\Rtmpwweja7\downloaded_packages
> install.packages("KoNLP")
Installing package into 'C:/Users/win10/Documents/R/win-library/3.5'
(as 'lib' is unspecified)
trying URL 'https://cran.rstudio.com/bin/windows/contrib/3.5/KoNLP_0.80.1.zip'
Content type 'application/zip' length 5898701 bytes (5.6 MB)
downloaded 5.6 MB

package 'KoNLP' successfully unpacked and MD5 sums checked

The downloaded binary packages are in
  C:\Users\win10\AppData\Local\Temp\Rtmpwweja7\downloaded_packages
> |
```

Tools Help

Install Packages...

Check for Package Updates...

Version Control ▶

Shell...

Terminal ▶

Addins ▶











Keyboard Shortcuts Help Alt+Shift+K

Modify Keyboard Shortcuts...

Project Options...

Global Options...

Update Packages

	Package	Installed	Available	NEWS	
<input type="checkbox"/>	bit	1.1-13	1.1-14		
<input type="checkbox"/>	highr	0.6	0.7		
<input type="checkbox"/>	ks	1.11.1	1.11.2		
<input type="checkbox"/>	later	0.7.2	0.7.3		
<input checked="" type="checkbox"/>	MASS	7.3-49	7.3-50		
<input type="checkbox"/>	mvtnorm	1.0-7	1.0-8		
<input type="checkbox"/>	rlang	0.2.0	0.2.1		
<input checked="" type="checkbox"/>	stringi	1.1.7	1.2.2		
<input type="checkbox"/>	survival	2.41-3	2.42-3		
<input checked="" type="checkbox"/>	zoo	1.8-1	1.8-2		

Select All

Select None

Install Updates

Cancel

```
Console Terminal x
~ /
68% downloaded
The downloaded binary packages are in
C:\Users\win10\AppData\Local\Temp\RtmpPwWeja7\downloaded_packages
>
> install.packages(c("MASS", "stringi", "zoo"))
Installing packages into 'C:/Users/win10/Documents/R/win-library/3.5'
(as 'lib' is unspecified)
```

```
There are binary versions available but the source versions are later:
  binary source needs_compilation
MASS    7.3-49 7.3-50              TRUE
stringi 1.1.7 1.2.2              TRUE
zoo      1.8-1 1.8-2              TRUE

Binaries will be installed
trying URL 'https://cran.rstudio.com/bin/windows/contrib/3.5/MASS_7.3-49.zip'
Content type 'application/zip' length 1171437 bytes (1.1 MB)
downloaded 1.1 MB

trying URL 'https://cran.rstudio.com/bin/windows/contrib/3.5/stringi_1.1.7.zip'
Content type 'application/zip' length 14368013 bytes (13.7 MB)
downloaded 13.7 MB

trying URL 'https://cran.rstudio.com/bin/windows/contrib/3.5/zoo_1.8-1.zip'
Content type 'application/zip' length 1088361 bytes (1.0 MB)
downloaded 1.0 MB

package 'MASS' successfully unpacked and MD5 sums checked
package 'stringi' successfully unpacked and MD5 sums checked
package 'zoo' successfully unpacked and MD5 sums checked

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```

```
Console Terminal x
~ /
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package 'stringi' successfully unpacked and MD5 sums checked
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