wsmfan

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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.

← click

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 3.4.0 (You Stupid Darkness)** has been released on Friday 2017-04-21.

- **R version 3.3.3 (Another Canoe)** has been released on Monday 2017-03-06.

2017 (July 4 - 7 in Brussels) has opened registration and more at
ser2017 brussels/

cran.r-project.org/mirrors.html

Desktop   16:13
2017-05-05

CRAN Mirrors

The Comprehensive R Archive Network is available at the following URLs, please choose a location close to you. Some statistics on the status of the mirrors can be found here: main page, windows release, windows old release.

If you want to host a new mirror at your institution, please have a look at the CRAN Mirror HOWTO.

0-Cloud

https://cloud.r-project.org/ ✓ click   Automatic redirection to servers worldwide, currently sponsored by Rstudio

http://cloud.r-project.org/   Automatic redirection to servers worldwide, currently sponsored by Rstudio

Algeria

https://cran.usthb.dz/   University of Science and Technology Houari Boumediene
http://cran.usthb.dz/   University of Science and Technology Houari Boumediene

Argentina

http://mirror.fcaglp.unlp.edu.ar/CRAN/   Universidad Nacional de La Plata

Australia

https://cran.csiro.au/   CSIRO
http://cran.csiro.au/   CSIRO
https://mirror.aarnet.edu.au/pub/CRAN/   AARNET
https://cran.curtin.edu.au/   Curtin University of 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   *click*

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 (Friday 2017-04-21, You Stupid Darkness) R-3.4.0.tar.gz, read what's new in the latest version.

- Sources of R alpha and beta releases (daily snapsh[...] a planned release).

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Subdirectories:

click

base   Binaries for base distribution (managed by Duncan Murdoch). This is what you want to install R for the first time.

contrib   Binaries of contributed CRAN packages (for R >= 2.11.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 < 2.11.x; managed by Uwe Ligges).

Rtools   Tools to build R and R packages (managed by Duncan Murdoch). 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 Duncan Murdoch or Uwe Ligges directly in case 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 normal precautions with downloaded executables.

https://cloud.r-project.org/bin/windows/

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```
                        R-3.4.0 for Windows (32/64 bit)
```

Click

Download R 3.4.0 for Windows (76 megabytes, 32/64 bit)

Installation and other instructions
New features in this version

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If you want to double-check that the package you have downloaded matches the package distributed by CRAN, you can compare the md5sum of the .exe to the fingerprint on the master server. 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?
- 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
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- Patches to this release are incorporated in the r-patched snapshot build.
- e development version (which will eventually become the next major release of R) is available in the r-

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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

https://cloud.r-project.org/bin/windows/base/R-3.4.0-win.exe

🔵 R-3.4.0-win.exe   ︿   Show all   ✕

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click (on Chrome). On Firefox, go to Downloads

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Open File - Security Warning   ✕

The publisher could not be verified. Are you sure you want to run this software?

Name: C:\Users\parlar\Downloads\R-3.4.0-win.exe

Publisher: **Unknown Publisher**

Type: Application

From: C:\Users\parlar\Downloads\R-3.4.0-win.exe

[Run]   [Cancel]

☑ Always ask before opening this file

⊗   This file does not have a valid digital signature that verifies its publisher. You should only run software from publishers you trust. How can I decide what software to run?

If you want   package distributed by CRAN, you can
compare the   need a version of md5sum for windows:
both graphic

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Please see the R FAQ for general information about R and the R Windows FAQ for Windows-specific information.

Other builds

🪟 Opening R-3.4.0-....exe... ^   [Show all]   ✕

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Select Setup Language   ✕

Select the language to use during the
installation:

English   ▼

OK   Cancel

...estions

- 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.

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Setup - R for Windows 3.4.0

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.
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>
> 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
> software--to make sure the software is free for all its users. This
> General Public License applies to most of the Free Software

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Setup - R for Windows 3.4.0

Select Destination Location
Where should R for Windows 3.4.0 be installed?

Setup will install R for Windows 3.4.0 into the following folder.

To continue, click Next. If you would like to select a different folder, click Browse.
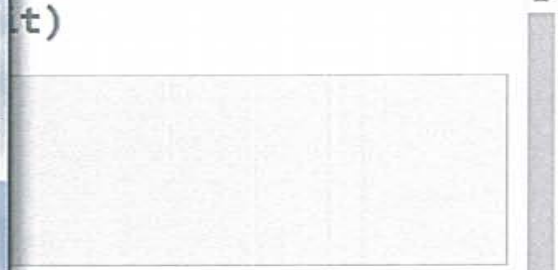
C:\Program Files\R\R-3.4.0   [Browse...]

Don't Install here!
Install in C:

At least 1.2 MB of free disk space is required.

[< Back] [Next >] [Cancel]

Browse

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Install in C:

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Browse For Folder   ✕

Select a folder in the list below, then click OK.

C:\R-3.4.0

▲ 💻 OSDisk (C:)
   ▷ 📁 Intel
   ▷ 📁 LINDO61
   ▷ 📁 LINGO11
   ▷ 📁 MSOCache
   ▷ 📁 PerfLogs
   ▲ 📁 Program Files
        📁 Bonjour
      ▷ 📁 CCleaner
      ▷ 📁 Common Files
      ▷ 📁 DVD Maker
      ▷ 📁 FreeFileSync
      ▷ 📁 Internet Explorer

[OK]   [Cancel]

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Setup - R for Windows 3.4.0

Select Destination Location
Where should R for Windows 3.4.0 be installed?

Setup will install R for Windows 3.4.0 into the following folder.

To continue, click Next. If you would like to select a different folder, click Browse.

C:\R-3.4.0   Browse...

At least 1.2 MB of free disk space is required.

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Select Components
Which components should be installed?

Select the components you want to install; clear the components you do not want to
install. Click Next when you are ready to continue.

Custom installation

☑ Core Files	72.5 MB
☐ 32-bit Files	45.7 MB
☑ 64-bit Files	46.8 MB
☑ Message translations	7.3 MB

Don't need 32-bit

Current selection requires at least 127.7 MB of disk space.

< Back   Next >   Cancel

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Setup - R for Windows 3.4.0

Startup options
Do you want to customize the startup options?   ®

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Please specify yes or no, then click Next.

⦿ Yes (customized startup)

◯ No (accept defaults)

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Setup - R for Windows 3.4.0

Help Style
Which form of help display do you prefer?

Please specify plain text or HTML help, then click Next.

○ Plain text
◉ HTML help

< Back   Next >   Cancel

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Setup - R for Windows 3.4.0   ⎯ ☐ ✕

Select Start Menu Folder
Where should Setup place the program's shortcuts?

R

Setup will create the program's shortcuts in the following Start Menu folder.

To continue, click Next. If you would like to select a different folder, click Browse.

| R | Browse... |

☐ Don't create a Start Menu folder

[< Back] [Next >] [Cancel]

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Select Additional Tasks
Which additional tasks should be performed?

Select the additional tasks you would like Setup to perform while installing R for Windows 3.4.0, then click Next.

Additional icons:

☑ Create a desktop icon

☐ Create a Quick Launch icon

Registry entries:

☑ Save version number in registry

☑ Associate R with .RData files

[< Back] [**Next >**] [Cancel]

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- Patches to this release are incorporated in the r-patched snapshot build.
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Setup - R for Windows 3.4.0

Completing the R for Windows 3.4.0 Setup Wizard

Setup has finished installing R for Windows 3.4.0 on your computer. The application may be launched by selecting the installed icons.

Click Finish to exit Setup.

[Finish]

Finish

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Start R

Location: Rgui (C:\R-3.4.0\bin\x64)

```
R Console (64-bit)

File  Edit  Misc  Packages  Windows  Help

R version 3.4.0 (2017-04-21) -- "You Stupid Darkness"
Copyright (C) 2017 The R Foundation for Statistical Computing
Platform: x86_64-w64-mingw32/x64 (64-bit)

R is free software and comes with ABSOLUTELY NO WARRANTY.
You are welcome to redistribute it under certain conditions.
Type 'license()' or 'licence()' for distribution details.

  Natural language support but running in an English locale

R is a collaborative project with many contributors.
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.

> |
```

Initial Screen

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Packags

File Edit Misc Packages Windows Help

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```
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Platform: x86_64-w64-mingw32/x64 (64-bit)

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'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.

>
```

Type 'q()' to quit R.

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                 2017-05-05

R Console (64-bit)

File Edit Misc Packages Windows Help

| Load package... |
| Set CRAN mirror... |
| Select repositories... |
| Install package(s)... |
| Update packages... |
| Install package(s) from local files... |

```
R version 3.              Darkness"
Copyright (C              istical Computing
Platform: x8

R is free so              NO WARRANTY.
You are welc              tain conditions.
Type 'licens              tion details.

  Natural language support but running in an English locale

R is a collaborative project with many contributors.
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.

>
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Update

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World News

```
Type 'q()' to quit R.
```

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R Console (64-bit)

File Edit Misc Packages Windows Help

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Copyright (C) 2017 The R Foundation for Statistic
Platform: x86_64-w64-mingw32/x64 (64-bit)

R is free software and comes with ABSOLUTELY NO W
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R is a collaborative project with many contributo
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'citation()' on how to cite R or R packages in pu

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

> update.packages(ask='graphics',checkBuilt=TRUE)
--- Please select a CRAN mirror for use in this s

Type 'q()' to quit R.

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2017-05-05

OK

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R Console (64-bit)

File  Edit  Misc  Packages  Windows  Help

R version 3.4.0 (2017-04-21) -- "You Stupid Darkness"
Copyright (C) 2017 The R Foundation for Statistical Computing
Platform: x86_64-w64-mingw32/x64 (64-bit)

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You are welcome to redistribute it under certain conditions.
Type 'license()' or 'licence()' for distribution details.

  Natural language support but running in an English locale

R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publica

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

> update.packages(ask='graphics',checkBuilt=TRUE)
--- Please select a CRAN mirror for use in this session ---
```
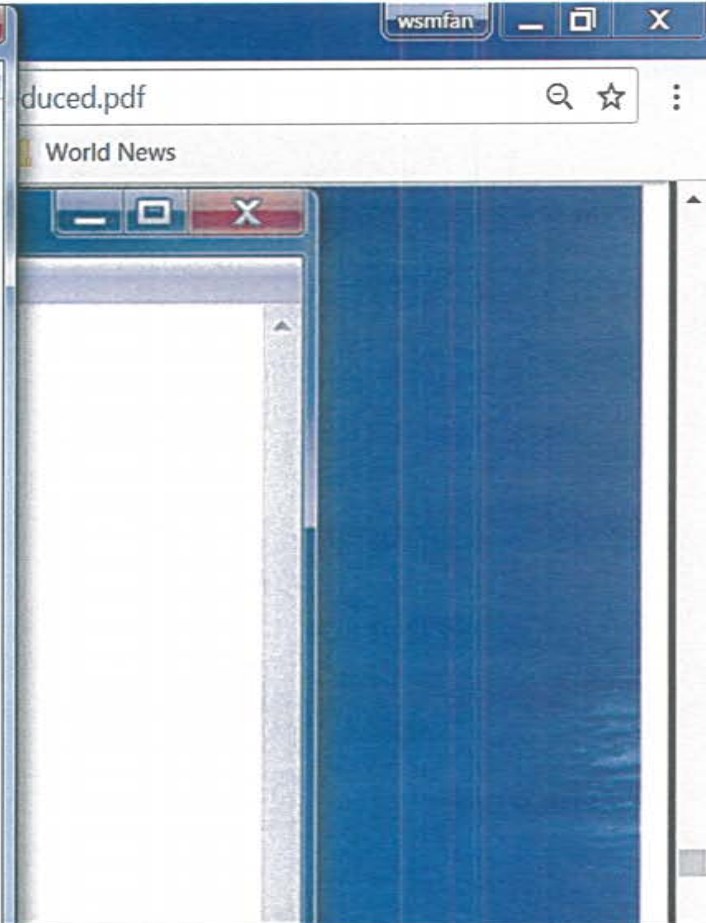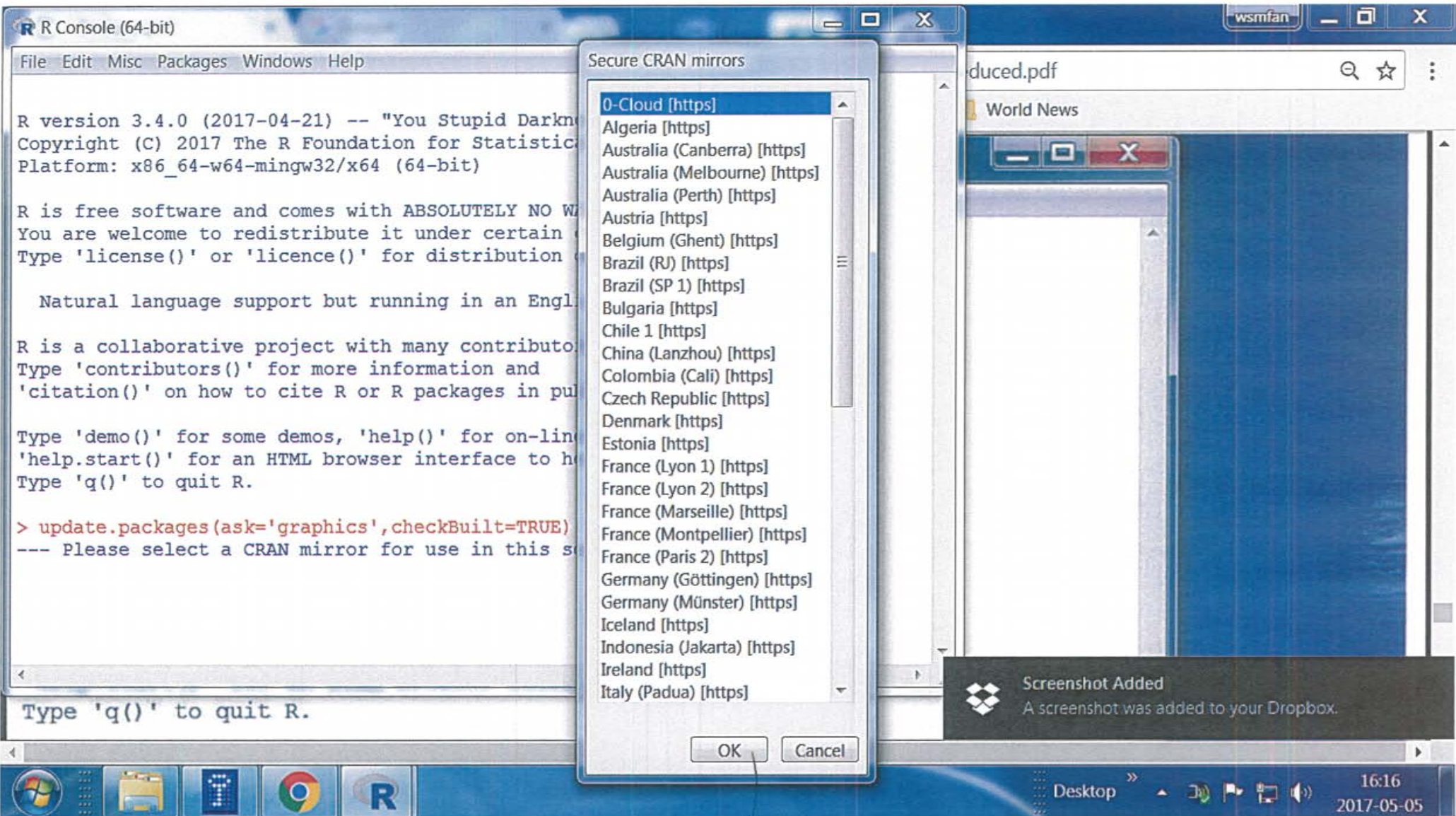
Packages to be updated

foreign
Matrix

[OK]   [Cancel]
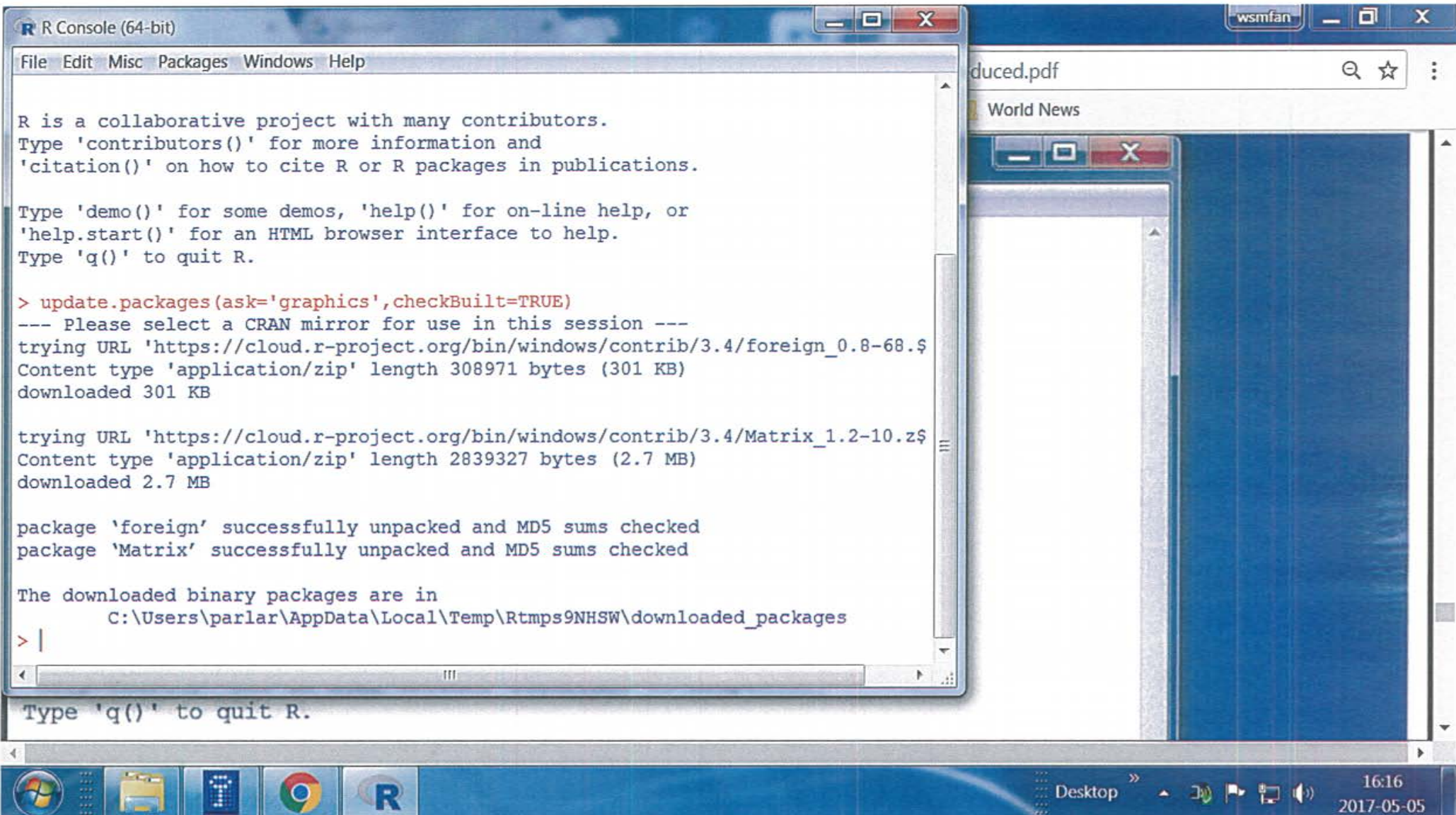
```
Type 'q()' to quit R.
```

OK

R Console (64-bit)

File   Edit   Misc   Packages   Windows   Help

```
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> update.packages(ask='graphics',checkBuilt=TRUE)
--- Please select a CRAN mirror for use in this session ---
trying URL 'https://cloud.r-project.org/bin/windows/contrib/3.4/foreign_0.8-68.$
Content type 'application/zip' length 308971 bytes (301 KB)
downloaded 301 KB

trying URL 'https://cloud.r-project.org/bin/windows/contrib/3.4/Matrix_1.2-10.z$
Content type 'application/zip' length 2839327 bytes (2.7 MB)
downloaded 2.7 MB

package 'foreign' successfully unpacked and MD5 sums checked
package 'Matrix' successfully unpacked and MD5 sums checked

The downloaded binary packages are in
        C:\Users\parlar\AppData\Local\Temp\Rtmps9NHSW\downloaded_packages
> |
```

duced.pdf

World News

```
Type 'q()' to quit R.
```

Desktop   16:16 2017-05-05

Almost done

File

File Edit Misc Packages Windows Help

duced.pdf

World News

```
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trying URL 'https://cloud.r-project.org/bin/windows/contrib/3.4/Matrix_1.2-10.z$
Content type 'application/zip' length 2839327 bytes (2.7 MB)
downloaded 2.7 MB

package 'foreign' successfully unpacked and MD5 sums checked
package 'Matrix' successfully unpacked and MD5 sums checked

The downloaded binary packages are in
        C:\Users\parlar\AppData\Local\Temp\Rtmps9NHSW\downloaded_packages
>
```

.1-128.zi$

al_2.39-4$

kages

Desktop

16:16
2017-05-05

R Console (64-bit)

File Edit Misc Packages Windows Help

Source R code...
New script
Open script...
Display file(s)...

Load Workspace...
Save Workspace...   Ctrl+S

Load History...
Save History...

Change dir...

Print...   Ctrl+P
Save to File...

Exit

```
ect with many contributors.
more information and
te R or R packages in publications.

mos, 'help()' for on-line help, or
L browser interface to help.

aphics',checkBuilt=TRUE)
mirror for use in this session ---
.r-project.org/bin/windows/contrib/3.4/foreign_0.8-68.$
/zip' length 308971 bytes (301 KB)

.r-project.org/bin/windows/contrib/3.4/Matrix_1.2-10.z$
Content type 'application/zip' length 2839327 bytes (2.7 MB)
downloaded 2.7 MB

package 'foreign' successfully unpacked and MD5 sums checked
package 'Matrix' successfully unpacked and MD5 sums checked

The downloaded binary packages are in
        C:\Users\parlar\AppData\Local\Temp\Rtmps9NHSW\downloaded_packages
>
```

duced.pdf

World News

3.1-128.zi$

al_2.39-4$

kages

Screenshot Added
A screenshot was added to your Dropbox.

Desktop   16:16
               2017-05-05

Exit

```
R Console (64-bit)

File  Edit  Misc  Packages  Windows  Help

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Type 'demo()' for some demos, 'help()' for on-line help, or
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Type 'q()' to quit R.

> update.packages(ask='graphics',checkBuilt=TRUE)
--- Please select a CRAN mirror for use in
trying URL 'https://cloud.r-project.org/bin
Content type 'application/zip' length 30897
downloaded 301 KB

trying URL 'https://cloud.r-project.org/bin
Content type 'application/zip' length 28393
downloaded 2.7 MB

package 'foreign' successfully unpacked and
package 'Matrix' successfully unpacked and

The downloaded binary packages are in
        C:\Users\parlar\AppData\Local\Temp\Rtmps9NHSW\downloaded_packages
> q()
```

Question

Save workspace image?

[Yes] [No] [Cancel]

No

Screenshot Added
A screenshot was added to your Dropbox.

Desktop   16:16 2017-05-05