



# GET R AND R STUDIO

Gates

# GETTING R AND R STUDIO

RStudio requires R 2.11.1 (or higher).  
Download and install R first  
Then download and install R studio  
The following slides will illustrate...

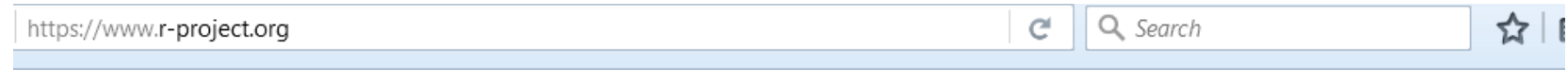
## Links:

<https://www.r-project.org/>

<https://www.rstudio.com/>

<https://www.rstudio.com/resources/webinars/getting-your-data-into-r/>

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



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**Download**

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**R Project**

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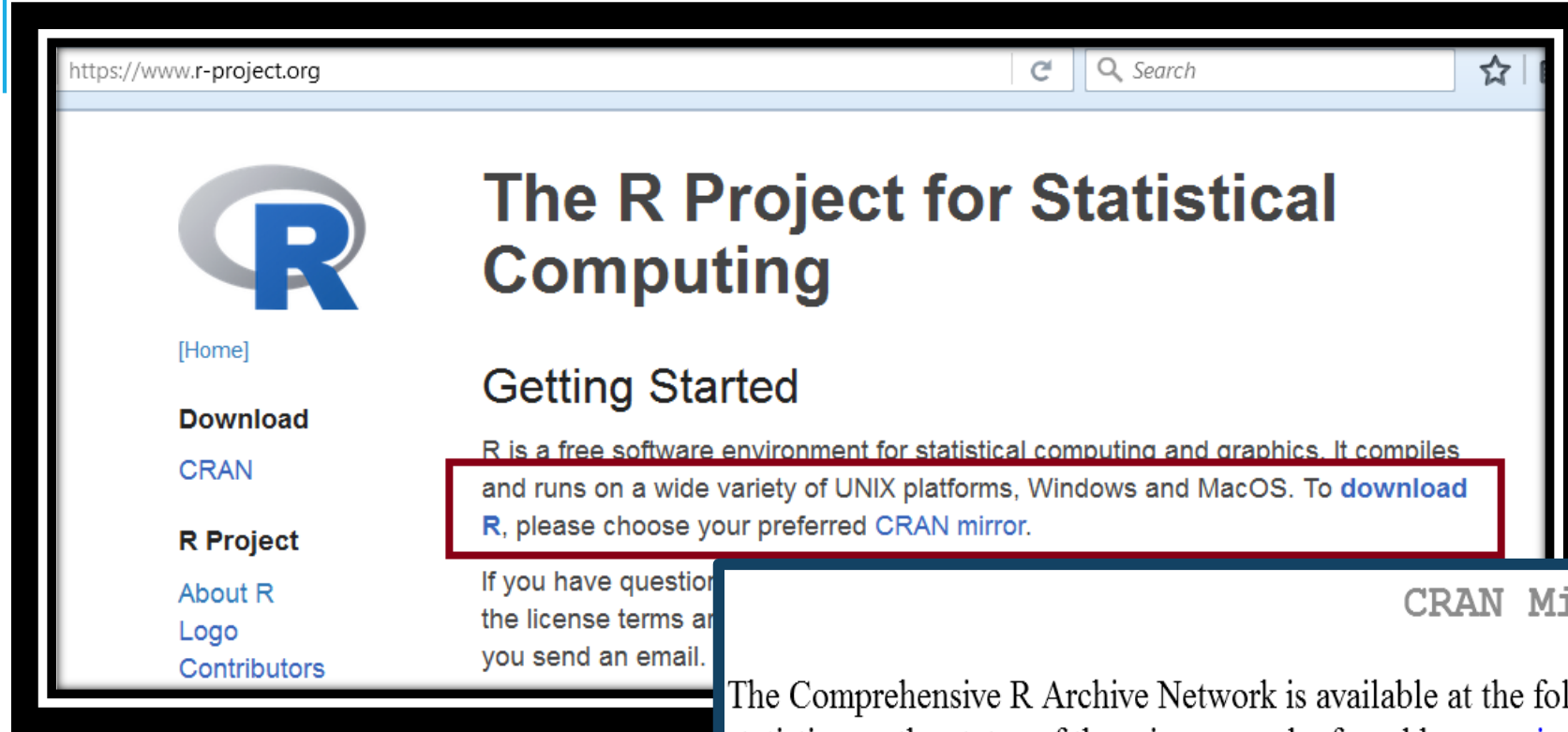
## The R Project for Statistical Computing

### 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](#).

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.

# GET R FIRST - STEPS



The screenshot shows the homepage of the R Project for Statistical Computing. The browser address bar displays <https://www.r-project.org>. The page features the R logo on the left and the main heading "The R Project for Statistical Computing". Below the heading is a "Getting Started" section with the text: "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](#)." A red box highlights this text. A sidebar on the left contains links for "[Home]", "Download", "CRAN", "R Project", "About R", "Logo", and "Contributors".

## CRAN Mirrors

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

0-Cloud

<https://cloud.r-project.org>


<http://cloud.r-project.org>

Automatic redirection to servers worldwide, currently sponsored by Rstudio

Automatic redirection to servers worldwide, currently sponsored by Rstudio

# GET R FIRST - STEPS

Choose the correct R for your Operating System.



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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.



[CRAN](#)  
[Mirrors](#)

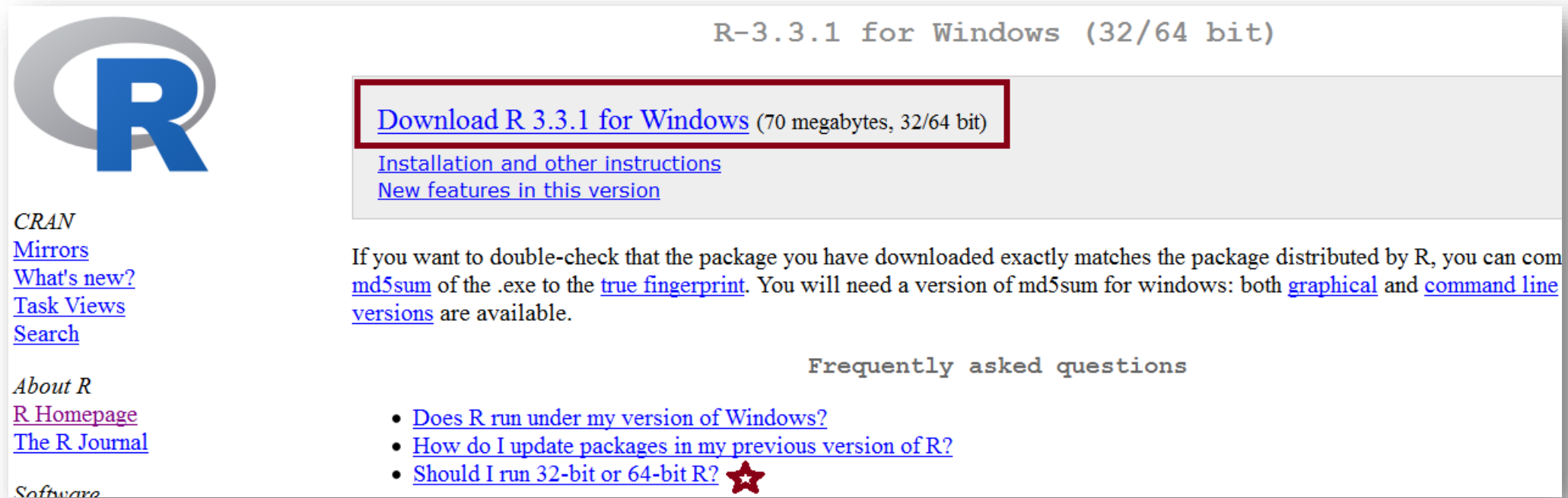
## R for Windows

Subdirectories:

<a href="#">base</a>	Binaries for base distribution (managed by Duncan Murdoch). This is what you want to <a href="#">install R for the first time</a> .
<a href="#">contrib</a>	Binaries of contributed CRAN packages (for R $\geq$ 2.11.x; managed by Uwe Ligges). There is also information on <a href="#">third party software</a> available for CRAN Windows services and corresponding environment and make variables.

# GET R FIRST - STEPS

This example is for Windows, but is the same for MAC and Linux



**R-3.3.1 for Windows (32/64 bit)**

[Download R 3.3.1 for Windows](#) (70 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?](#)
- [Should I run 32-bit or 64-bit R?](#) ★

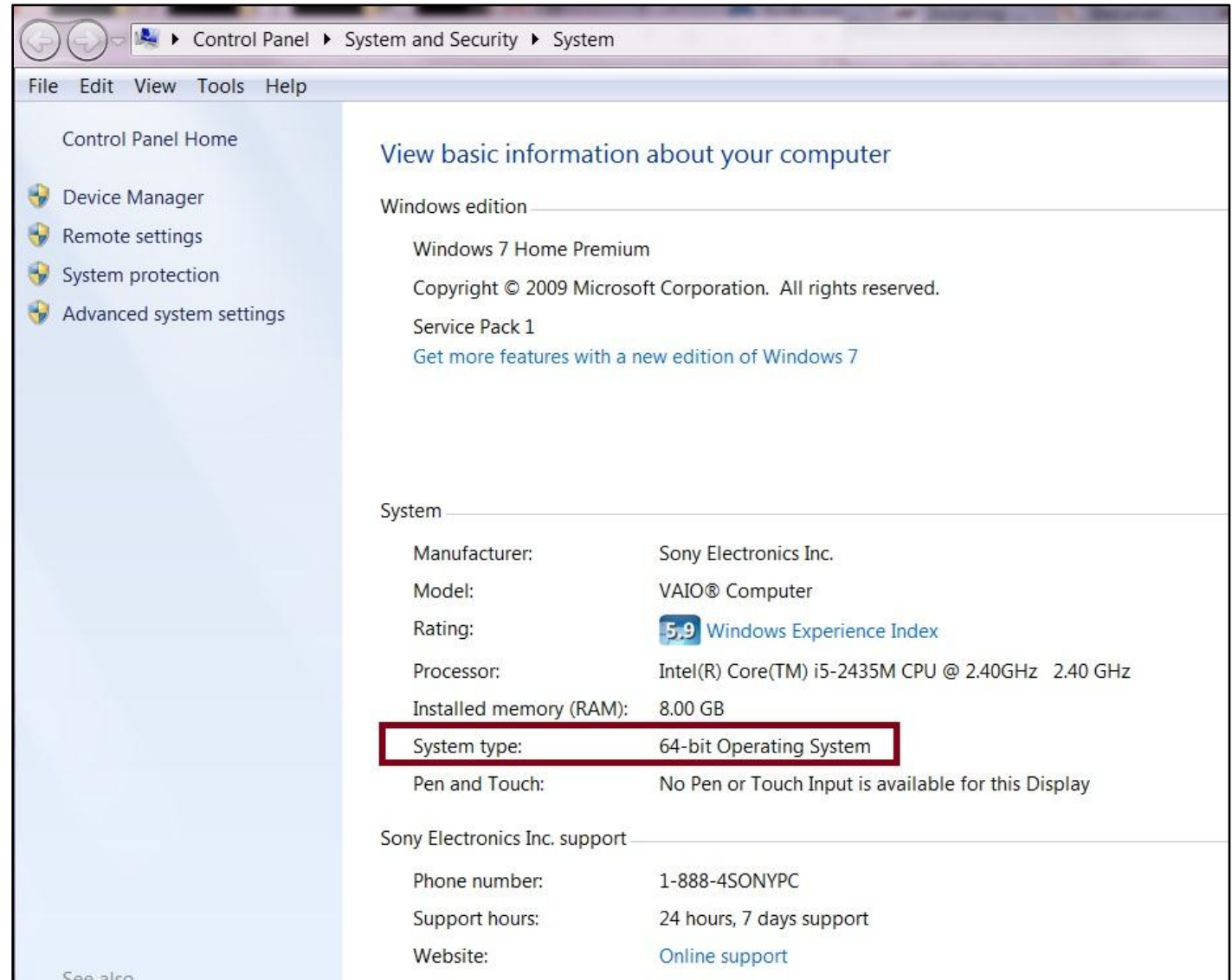
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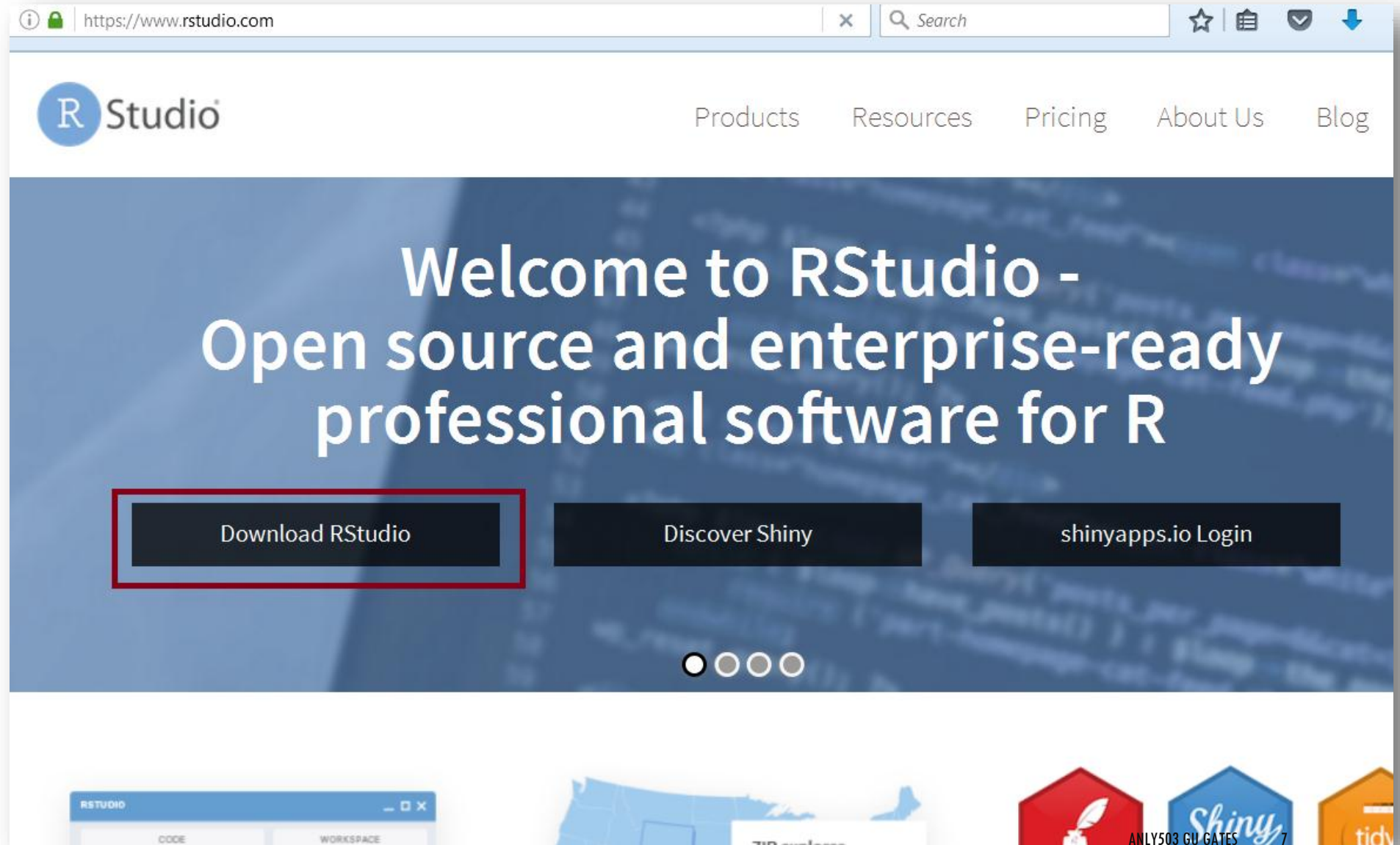
*Software*

Download, save, and run the R installer. Follow the instructions. Remember where you save things and what you name things.

# CHECKING YOUR MACHINE: 32 VS. 64

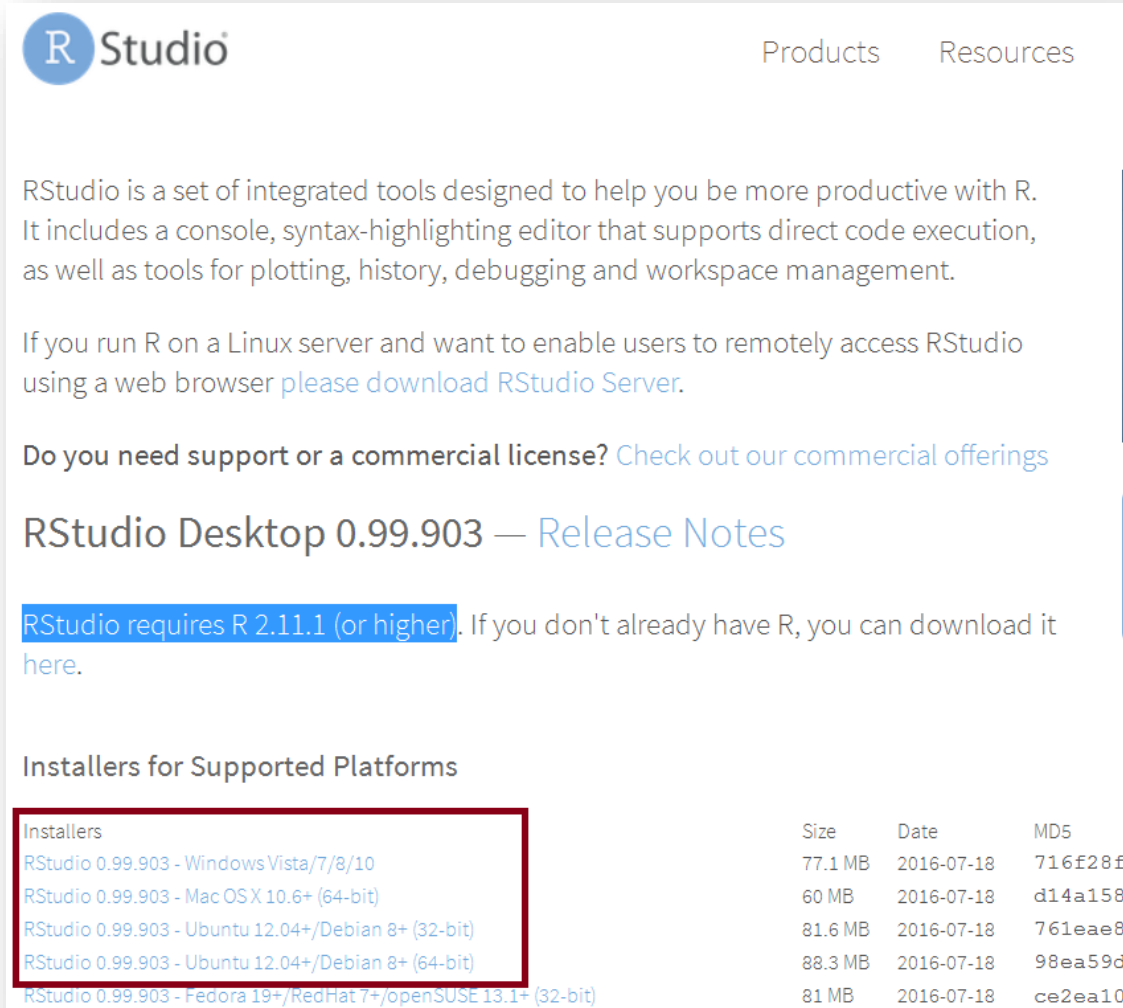


# INSTALL R STUDIO



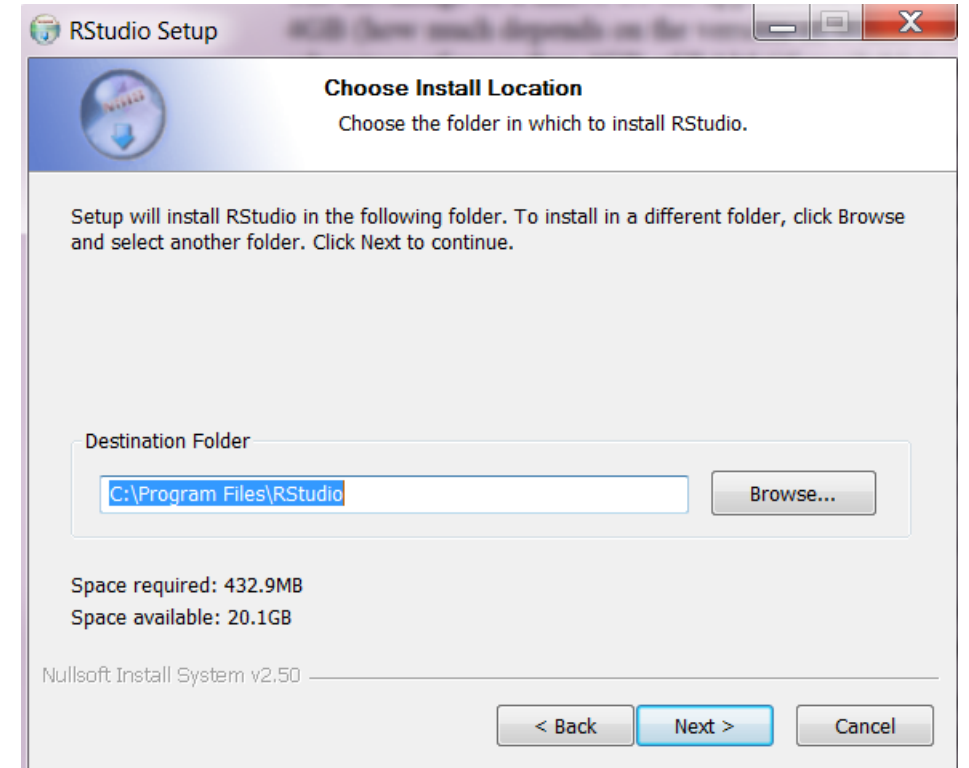
# R STUDIO STEPS

Download, save, and run the R Studio .exe installer.



The screenshot shows the RStudio website homepage. At the top left is the RStudio logo. To its right are the words "Products" and "Resources". Below the logo is a paragraph describing RStudio as a set of integrated tools for R. Further down, there is a link to "RStudio Server" and a link to "Check out our commercial offerings". A section titled "RStudio Desktop 0.99.903 — Release Notes" contains a highlighted text box that says "RStudio requires R 2.11.1 (or higher)". Below this is a section titled "Installers for Supported Platforms" which contains a table of download links for various operating systems. The first four rows of the table are highlighted with a red border.

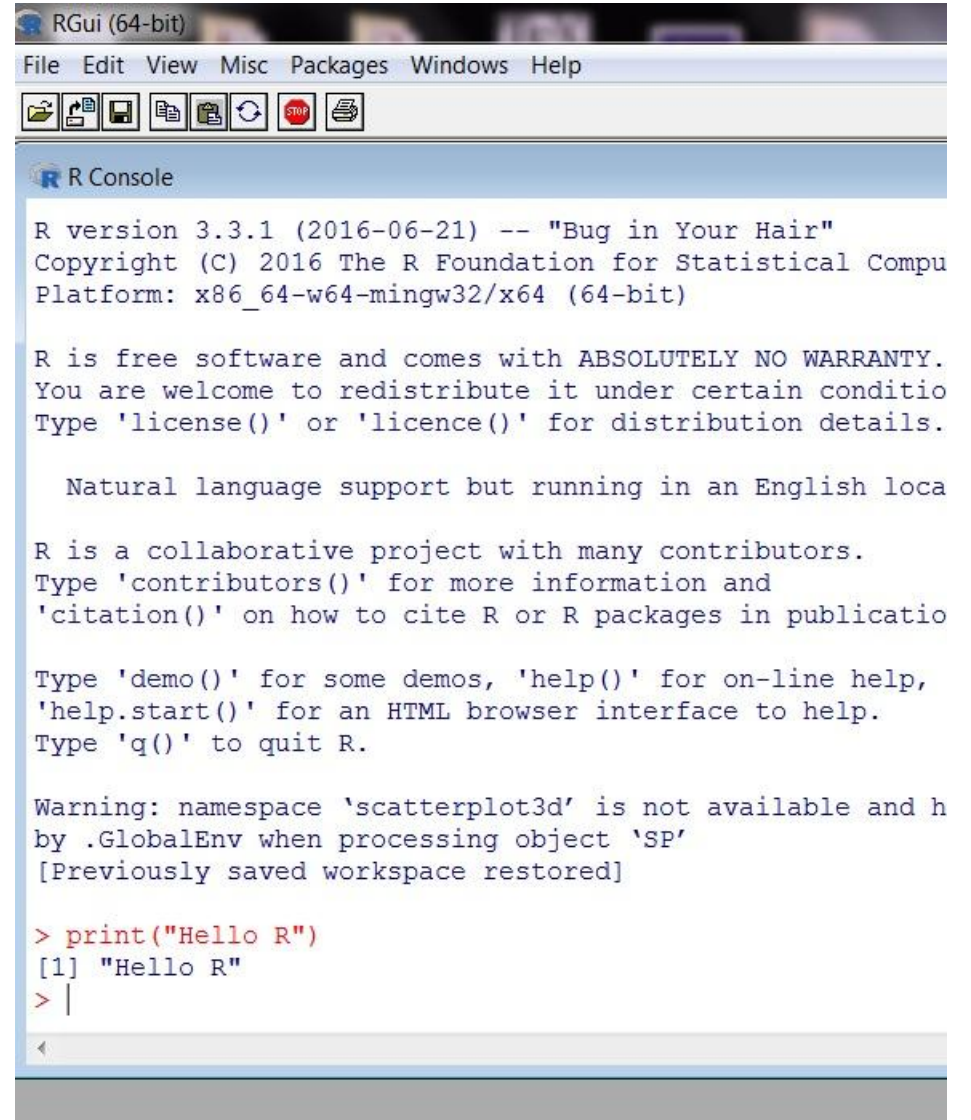
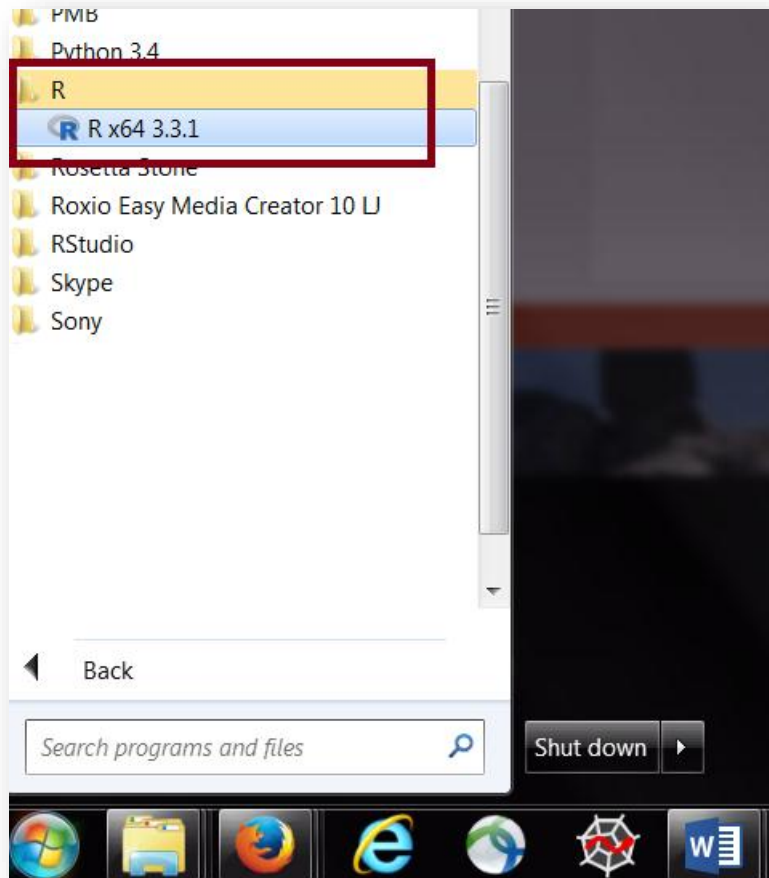
Installers	Size	Date	MD5
<a href="#">RStudio 0.99.903 - Windows Vista/7/8/10</a>	77.1 MB	2016-07-18	716f28f2
<a href="#">RStudio 0.99.903 - Mac OSX 10.6+ (64-bit)</a>	60 MB	2016-07-18	d14a1585
<a href="#">RStudio 0.99.903 - Ubuntu 12.04+/Debian 8+ (32-bit)</a>	81.6 MB	2016-07-18	761eae80
<a href="#">RStudio 0.99.903 - Ubuntu 12.04+/Debian 8+ (64-bit)</a>	88.3 MB	2016-07-18	98ea59d3
<a href="#">RStudio 0.99.903 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (32-bit)</a>	81 MB	2016-07-18	ce2ea102



The screenshot shows the "RStudio Setup" window. The title bar says "RStudio Setup". The main heading is "Choose Install Location" with the instruction "Choose the folder in which to install RStudio." Below this, a message states: "Setup will install RStudio in the following folder. To install in a different folder, click Browse and select another folder. Click Next to continue." There is a text box for the "Destination Folder" containing "C:\Program Files\RStudio" and a "Browse..." button. Below the text box, it shows "Space required: 432.9MB" and "Space available: 20.1GB". At the bottom, there are three buttons: "< Back", "Next >", and "Cancel".



# CHECK THAT YOU HAVE R: “HELLO R”



# CHECK THAT YOU HAVE R STUDIO

