



SINGAPORE UNIVERSITY OF
TECHNOLOGY AND DESIGN

Established in collaboration with MIT

40.004

A Step-by-Step R Installation Tutorial

Using Mac as an example

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Spring 2017

Overview:

Download and Install Two Pieces of Software

Step 1: Install R

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

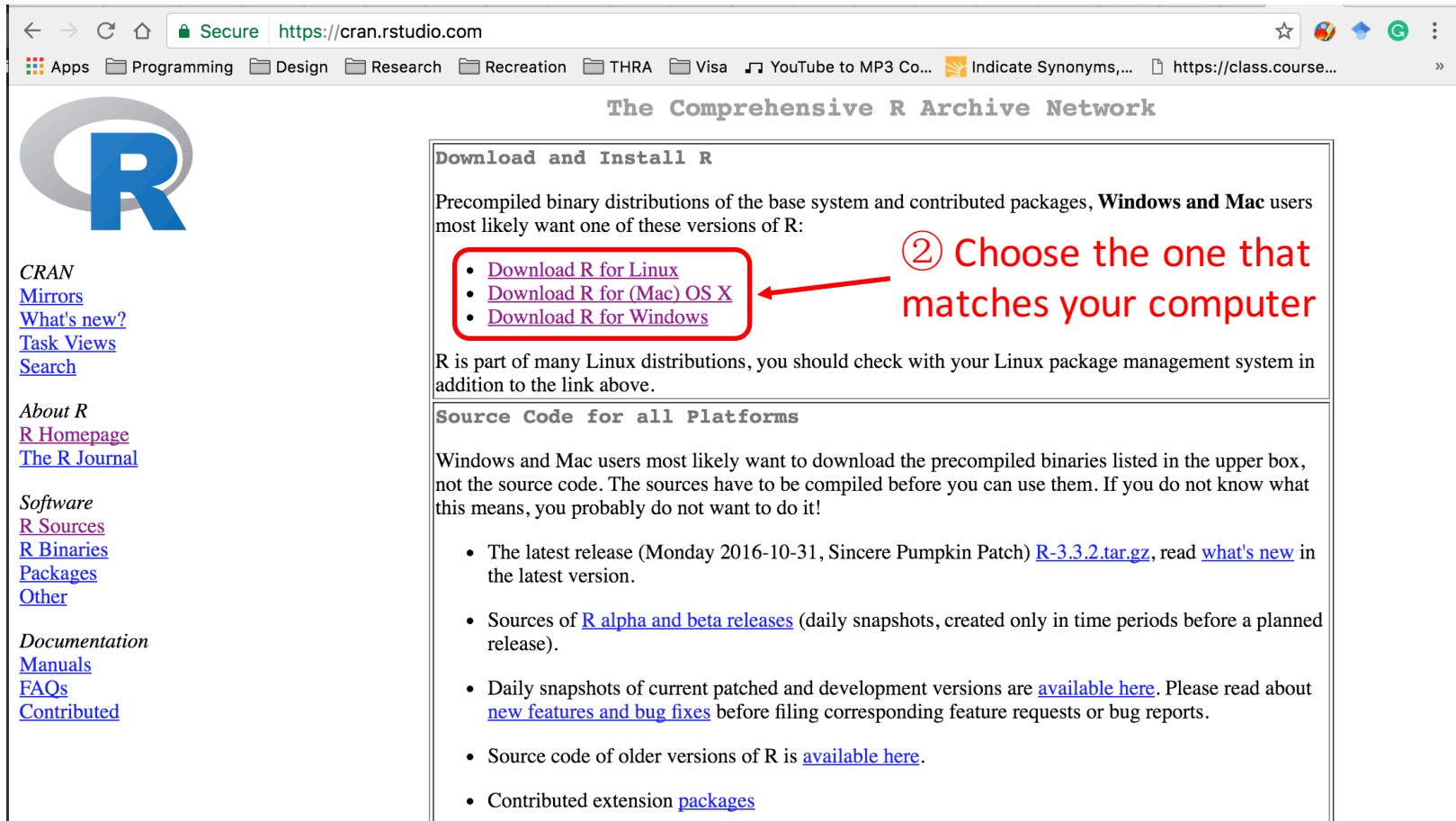
Step 2: Install RStudio

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

Step 1

Download and Install R

① Go to <https://cran.rstudio.com/>

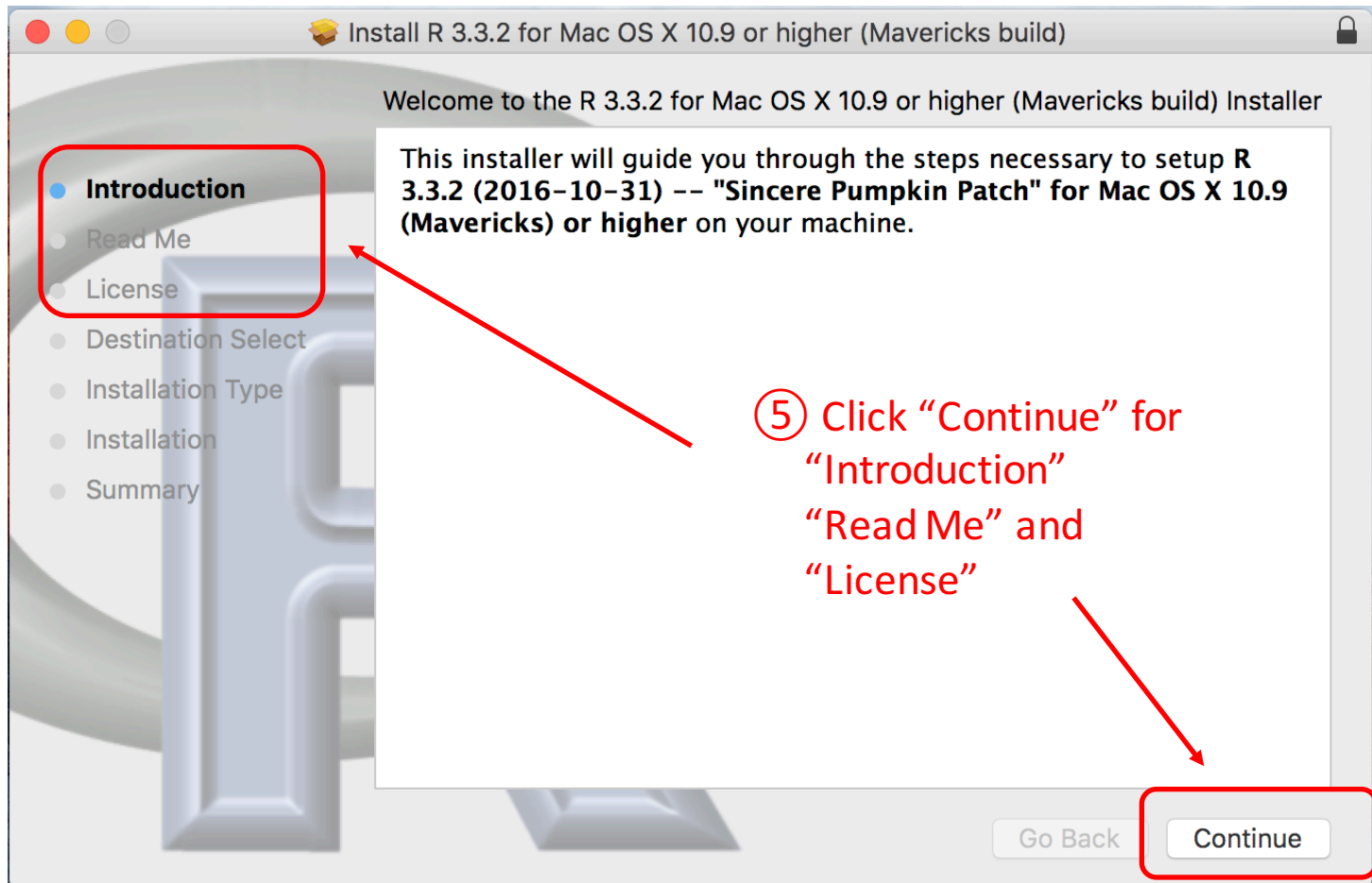


The screenshot shows the CRAN website in a web browser. The browser's address bar displays <https://cran.rstudio.com/>. The page title is "The Comprehensive R Archive Network". On the left side, there is a navigation menu with links: CRAN, Mirrors, What's new?, Task Views, Search, About R, R Homepage, The R Journal, Software, R Sources, R Binaries, Packages, Other, Documentation, Manuals, FAQs, and Contributed. The main content area is titled "Download and Install R" and contains the text: "Precompiled binary distributions of the base system and contributed packages, **Windows and Mac** users most likely want one of these versions of R:". Below this text is a list of three links: "Download R for Linux", "Download R for (Mac) OS X", and "Download R for Windows". A red box highlights these three links, and a red arrow points from the text "② Choose the one that matches your computer" to the "Download R for (Mac) OS X" link. Below the list, it says "R is part of many Linux distributions, you should check with your Linux package management system in addition to the link above." The next section is titled "Source Code for all Platforms" and contains the text: "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!". Below this text is a list of four items: "The latest release (Monday 2016-10-31, Sincere Pumpkin Patch) [R-3.3.2.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.", and "Source code of older versions of R is [available here](#)." The final item in the list is "Contributed extension [packages](#)".

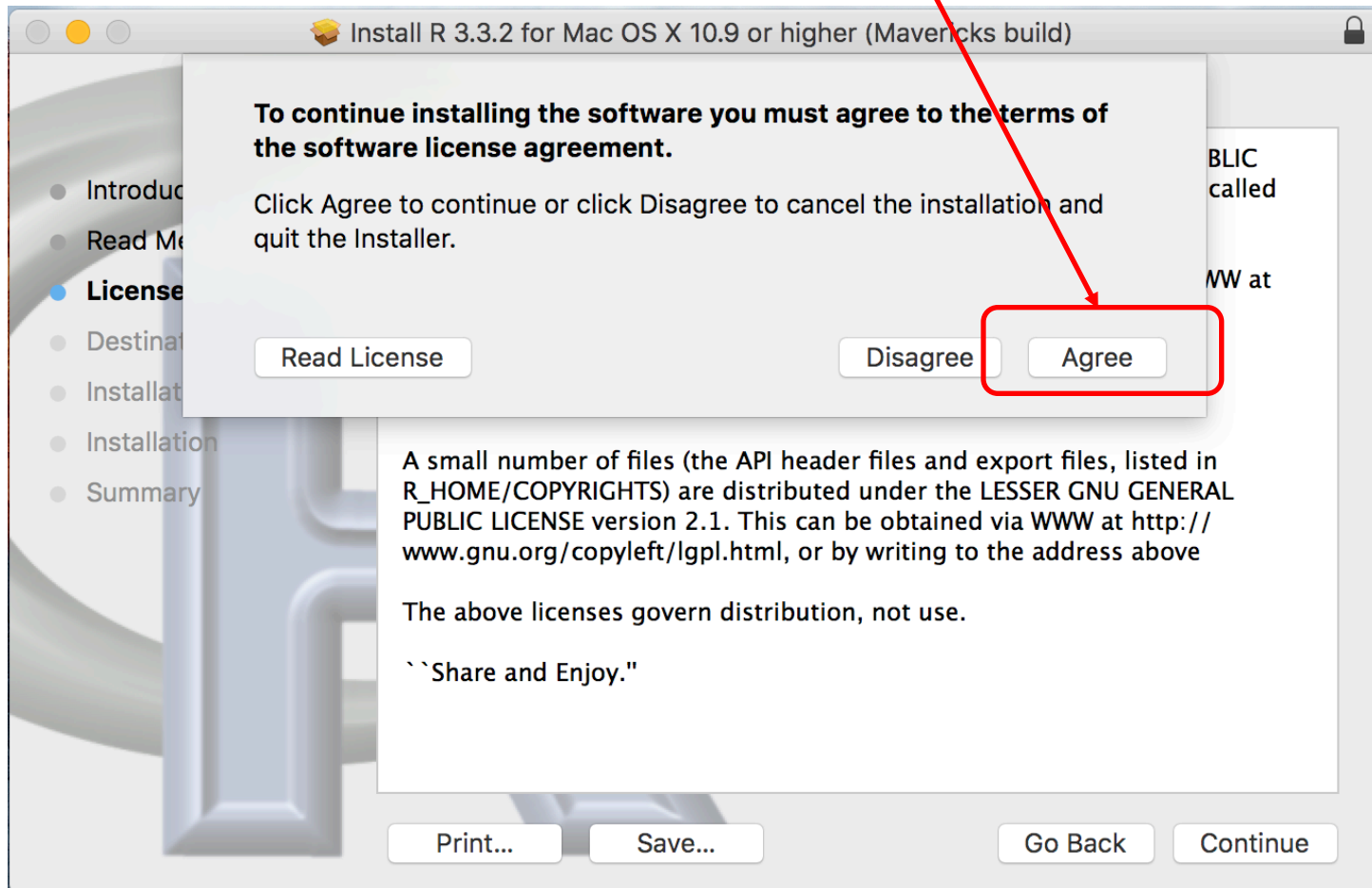
② Choose the one that matches your computer

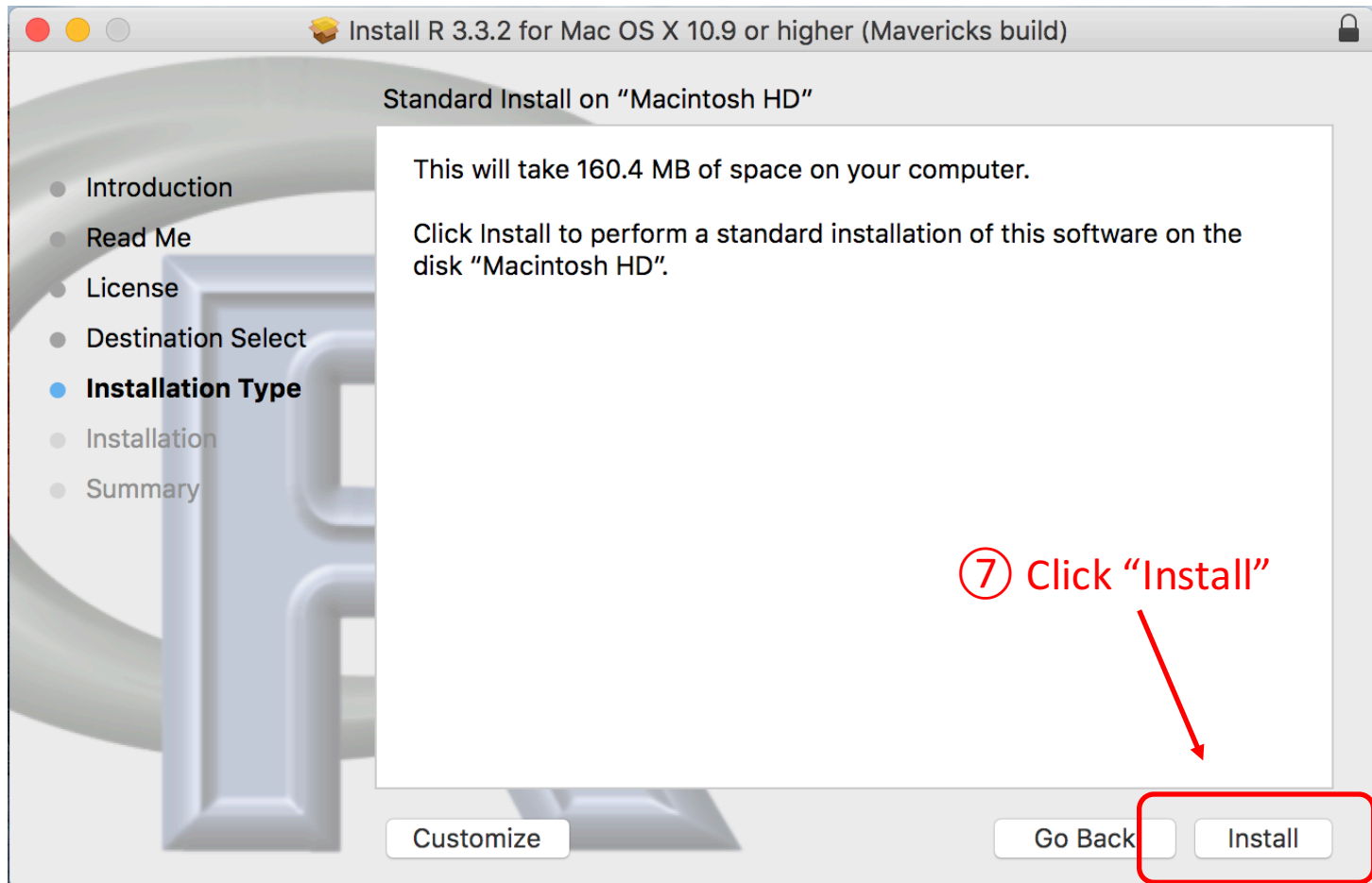
③ Download the newest version: R-3.3.2

④ Open the R installation package

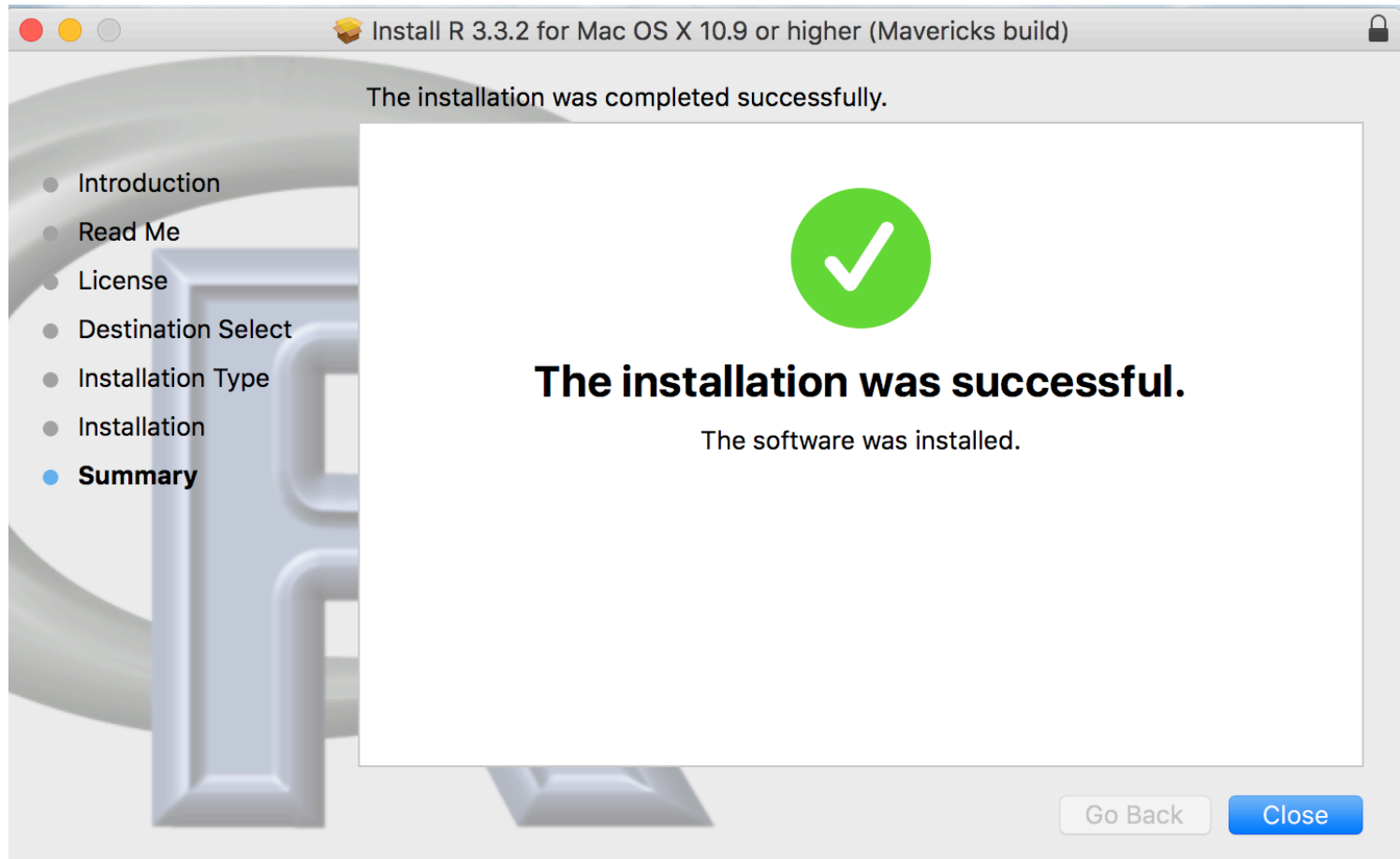


⑥ “Agree” the license agreement

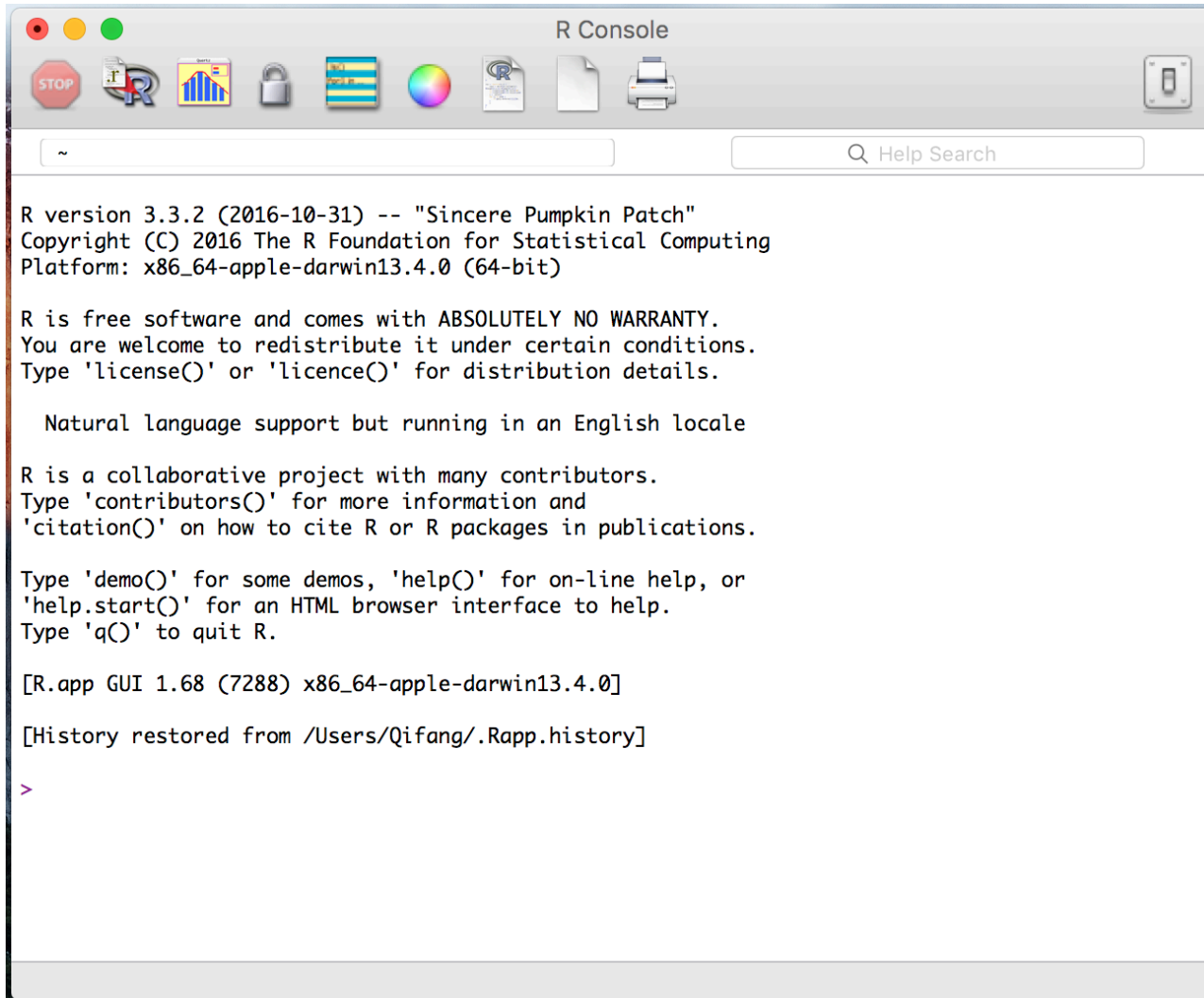




Now you have R installed!



R interface



```
R version 3.3.2 (2016-10-31) -- "Sincere Pumpkin Patch"
Copyright (C) 2016 The R Foundation for Statistical Computing
Platform: x86_64-apple-darwin13.4.0 (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.

[R.app GUI 1.68 (7288) x86_64-apple-darwin13.4.0]

[History restored from /Users/Qifang/.Rapp.history]

>
```

Step 2

Download and Install RStudio

① Go to

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

The screenshot shows the RStudio website's download page. A red box highlights the 'RStudio Desktop Open Source License' column. A red arrow points to the 'DOWNLOAD' button in this column. A red text overlay instructs the user to choose this license and click on 'DOWNLOAD'.

	RStudio Desktop Open Source License	RStudio Desktop Commercial License	RStudio Server Open Source License	RStudio Server Pro Commercial License
	FREE	\$995 per year	FREE	\$9,995 per year
Integrated Tools for R	●	●	●	●
Priority Support		●		●
Access via Web Browser			●	●
Enterprise Security				●
Project Sharing				●
Manage Multiple R Sessions & Versions				●
Admin Dashboard				●
Load Balancing				●
License	AGPL	Commercial	AGPL	Commercial
Pricing	FREE	\$995/yr	FREE	\$9,995/yr
	DOWNLOAD	BUY NOW	DOWNLOAD	DOWNLOAD
	Learn More	Learn More	Learn More	Learn More

② Choose RStudio Desktop
Open Source License (FREE!)
Click on "DOWNLOAD"



rstudio::conf

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RStudio Desktop 1.0.136 — [Release Notes](#)

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

Installers for Supported Platforms

Installers

[RStudio 1.0.136 - Windows Vista/7/8/10](#)
[RStudio 1.0.136 - Mac OS X 10.6+ \(64-bit\)](#)
[RStudio 1.0.136 - Ubuntu 12.04+/Debian 8+ \(32-bit\)](#)
[RStudio 1.0.136 - Ubuntu 12.04+/Debian 8+ \(64-bit\)](#)
[RStudio 1.0.136 - Fedora 19+/RedHat 7+/openSUSE 13.1+ \(32-bit\)](#)
[RStudio 1.0.136 - Fedora 19+/RedHat 7+/openSUSE 13.1+ \(64-bit\)](#)

③ Download the version that matches your computer

Size	Date	MD5
81.9 MB	2016-12-21	93b3f307f567c33f7a4db4c114099b3e
71.2 MB	2016-12-21	12d6d6ade0203a2fcef6fe3dea65c1ae
85.5 MB	2016-12-21	0a20fb89d8aaeb39b329a640ddadd2c5
92.1 MB	2016-12-21	2a73b88a12a9fbaf96251cecf8b41340
84.7 MB	2016-12-21	fa6179a7855bfff0f939a34c169da45fd
85.7 MB	2016-12-21	2b3a148ded380b704e58496befb55545

Zip/Tarballs

Zip/tar archives

[RStudio 1.0.136 - Windows Vista/7/8/10](#)
[RStudio 1.0.136 - Ubuntu 12.04+/Debian 8+ \(32-bit\)](#)
[RStudio 1.0.136 - Ubuntu 12.04+/Debian 8+ \(64-bit\)](#)
[RStudio 1.0.136 - Fedora 19+/RedHat 7+/openSUSE 13.1+ \(32-bit\)](#)
[RStudio 1.0.136 - Fedora 19+/RedHat 7+/openSUSE 13.1+ \(64-bit\)](#)

Size	Date	MD5
117.5 MB	2016-12-21	f415939bf5012c0ab127c7c7c9600be
86.2 MB	2016-12-21	fca75f953dd425694b7fd4335bd29165
93.2 MB	2016-12-21	7cf0092653aa44fc76325a8f1325fb1f
85.4 MB	2016-12-21	30c89299d30ec03b38098e51e9bf49b8
86.6 MB	2016-12-21	ea2a262f650e92f568f48edc1c093902

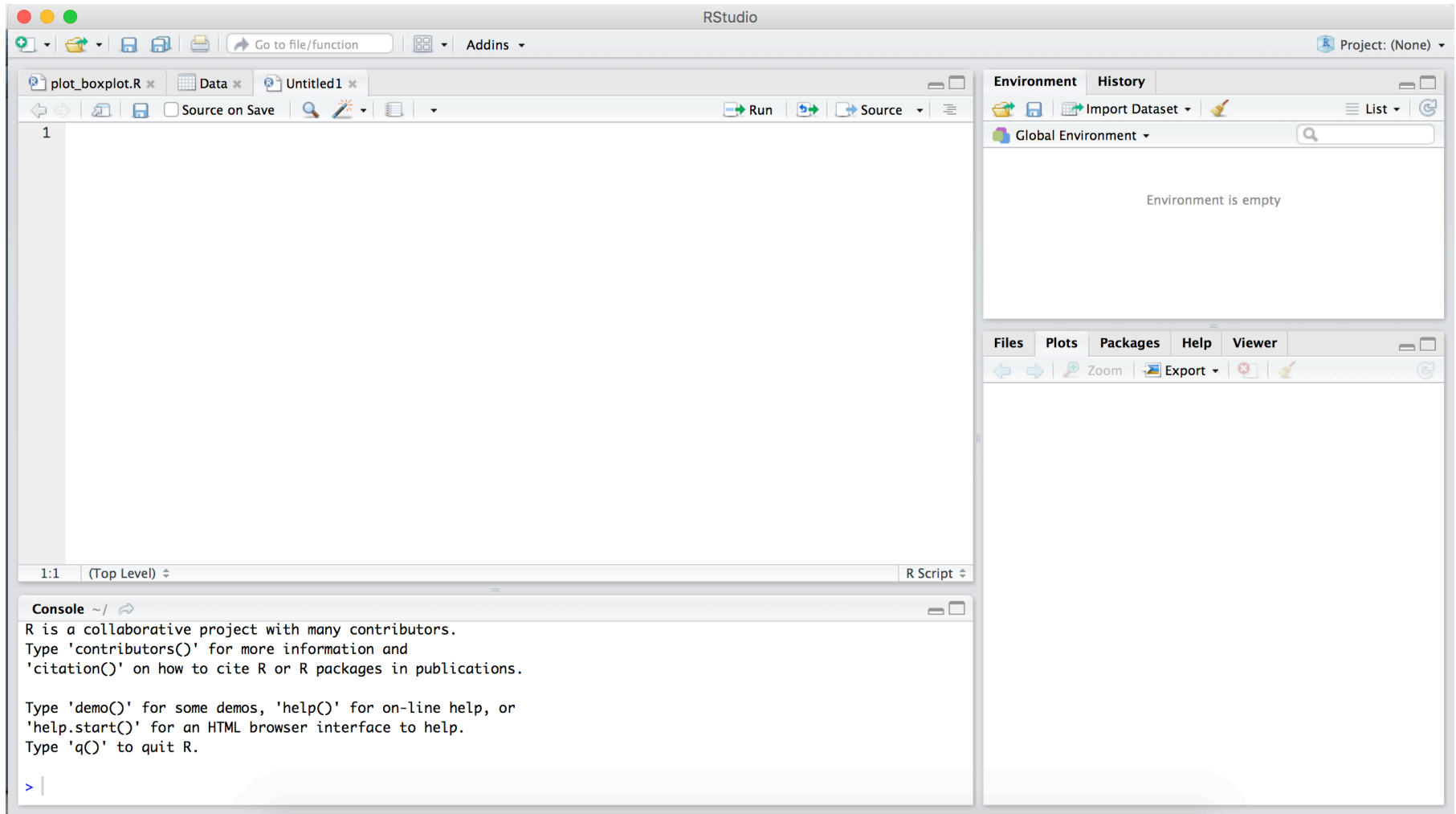
Source Code

A tarball containing source code for RStudio v1.0.136 can be downloaded from [here](#)

④ Open the RStudio Installation package



RStudio interface



YouTube Instructions

For Windows 7:

<https://www.youtube.com/watch?v=eD07NznguA4>

For Mac:

<https://www.youtube.com/watch?v=GFImMj1IMRI>