



Fakultät für
**Kultur- und
Sozialwissen-
schaften**

Installation von R und RStudio unter macOS

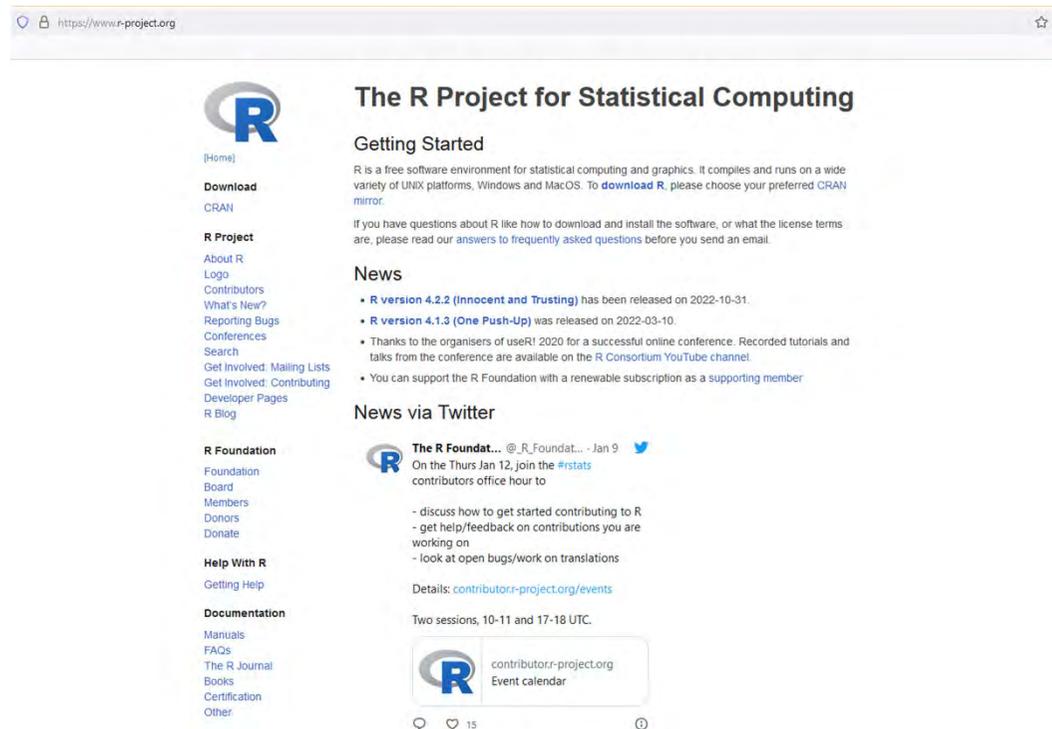
Fakultät für **Kultur- und Sozialwissenschaften**
Arbeitsstelle Quantitative Methoden
Dorothee Köstlin

Vorbemerkung

- Die Hinweise zur Installation basiert auf der R-Version 4.2.2.
Falls zwischenzeitlich eine neuere Version verfügbar ist, dann installieren Sie bitte die aktuelle Version.
- Geringe Unterschiede bei der Darstellung einzelner Seiten sollten Sie nicht davon abhalten, R bzw. RStudio zu installieren. Die Installationsroutine sollte sich auch bei neueren Versionen kaum unterscheiden.
- Antworten auf häufige Fragen zur Installation finden Sie unter <https://cran.r-project.org/faqs.html>
- Kurze (ältere) Videos zur Installation finden Sie unter <https://learnr-examples.shinyapps.io/ex-setup-r/#section-install-r>

Installation von R für macOS

Für die Installation von R rufen Sie die Seite <https://www.r-project.org> auf:



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, a navigation menu on the left, and main content sections including 'Getting Started', 'News', and 'News via Twitter'. The 'Getting Started' section explains that R is a free software environment for statistical computing and graphics, and provides instructions on how to download R from the CRAN mirror. The 'News' section lists recent releases, including R version 4.2.2 (Innocent and Trusting) and R version 4.1.3 (One Push-Up). The 'News via Twitter' section features a tweet from @R_Foundat... dated Jan 9, announcing a contributors office hour on Thursday, Jan 12, with details on how to participate and a link to the event calendar.

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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.

News

- **R version 4.2.2 (Innocent and Trusting)** has been released on 2022-10-31.
- **R version 4.1.3 (One Push-Up)** was released on 2022-03-10.
- Thanks to the organisers of useR! 2020 for a successful online conference. Recorded tutorials and talks from the conference are available on the [R Consortium YouTube channel](#).
- You can support the R Foundation with a renewable subscription as a supporting member

News via Twitter

 **The R Foundat...** @_R_Foundat... · Jan 9 

On the Thurs Jan 12, join the [#rstats](#) contributors office hour to

- discuss how to get started contributing to R
- get help/feedback on contributions you are working on
- look at open bugs/work on translations

Details: contributorr-project.org/events

Two sessions, 10-11 and 17-18 UTC.

 contributorr-project.org
Event calendar

👍 15

Wählen Sie einen CRAN-Server in Ihrer Nähe aus:

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/>

Automatic redirection to servers worldwide, currently sponsored by Rstudio

Argentina

<http://mirror.fcaglp.unlp.edu.ar/CRAN/>

Universidad Nacional de La Plata

Australia

<https://cran.esiro.au/>

CSIRO

<https://mirror.aarnet.edu.au/pub/CRAN/>

AARNET

<https://cran.ms.unimelb.edu.au/>

School of Mathematics and Statistics, University of Melbourne

<https://cran.curtin.edu.au/>

Curtin University

Austria

<https://cran.wu.ac.at/>

Wirtschaftsuniversität Wien

Belgium

<https://www.freeststatistics.org/cran/>

Patrick Wessa

<https://ftp.belnet.be/mirror/CRAN/>

Belnet, the Belgian research and education network

Brazil

<https://cran-r.c3sl.ufpr.br/>

Universidade Federal do Parana

<https://cran.fiocruz.br/>

Oswaldo Cruz Foundation, Rio de Janeiro

<https://vps.fmvz.usp.br/CRAN/>

University of Sao Paulo, Sao Paulo

<https://brieger.esalq.usp.br/CRAN/>

University of Sao Paulo, Piracicaba

Bulgaria

<https://ftp.uni-sofia.bg/CRAN/>

Sofia University

Canada

<https://mirror.rcg.sfu.ca/mirror/CRAN/>

Simon Fraser University, Burnaby

<https://muug.ca/mirror/cran/>

Manitoba Unix User Group

<https://mirror.csclub.uwaterloo.ca/CRAN/>

University of Waterloo

Chile

<https://cran.dcc.uchile.cl/>

Departamento de Ciencias de la Computación, Universidad de Chile

China

Folgende CRAN-Server stehen in Deutschland zur Verfügung:



Germany

<https://ftp.fau.de/cran/>

<https://mirror.dogado.de/cran/>

<https://ftp.gwdg.de/pub/misc/cran/>

<https://cran.uni-muenster.de/>

<https://mirror.clientvps.com/CRAN/>

<https://packages.othr.de/cran/>

Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU)

dogado GmbH

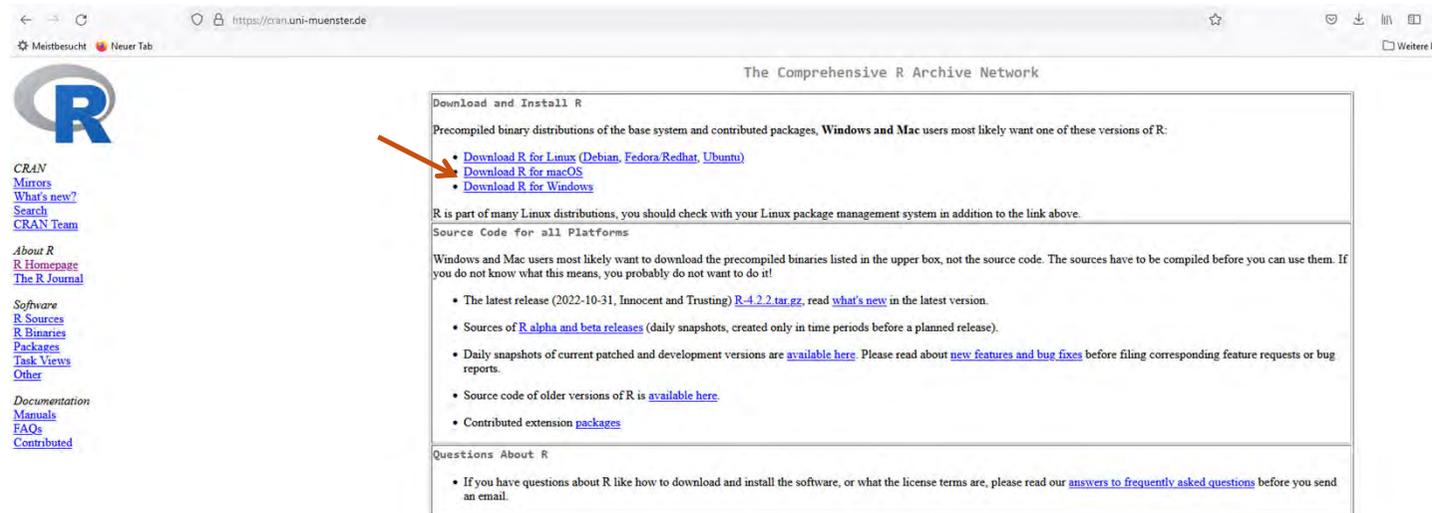
GWDG Göttingen

University of Münster, Germany

ClientVPS

OTH Regensburg

Wählen Sie jetzt die Version aus, die Sie installieren möchten, hier also R für macOS:



The screenshot shows a web browser window with the URL <https://cran.uni-muenster.de>. The page title is "The Comprehensive R Archive Network". The main content area is titled "Download and Install R" and contains the following text:

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 \(Debian, Fedora/Redhat, Ubuntu\)](#)
- [Download R for macOS](#)
- [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 (2022-10-31, Innocent and Trusting) [R-4.2.2.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.
- 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.

What are R and CRAN?

R is 'GNU S', a freely available language and environment for statistical computing and graphics which provides a wide variety of statistical and graphical techniques: linear and nonlinear modelling, statistical tests, time series analysis, classification, clustering, etc. Please consult the [R project homepage](#) for further information.

CRAN is a network of ftp and web servers around the world that store identical, up-to-date, versions of code and documentation for R. Please use the CRAN [mirror](#) nearest to you to minimize network load.

Submitting to CRAN

To "submit" a package to CRAN, check that your submission meets the [CRAN Repository Policy](#) and then use the [web form](#).

If this fails, send an email to CRAN-submissions@R-project.org following the policy. Please do not attach submissions to emails, because this will clutter up the mailboxes of half a dozen people.

Note that we generally do not accept submissions of precompiled binaries due to security reasons. All binary distribution listed above are compiled by selected maintainers, who are in charge for all binaries of their platform, respectively.

Falls Sie eine der aktuelleren macOS-Versionen haben, dann installieren Sie die neue R-Version (latest release):

 Latest release:

[R-4.2.2-arm64.pkg](#) (notarized and signed)
SHA1-hash: c3bb657ca6912b9b98e254f63434a365da26848f
(ca. 86MB) for M1 and higher Macs only!

R 4.2.2 binary for macOS 11 (**Big Sur**) and higher, **Apple silicon arm64** build, signed and notarized package.
Contains R 4.2.2 framework, R.app GUI 1.79 for Apple silicon Macs (M1 and higher), Tcl/Tk 8.6.12 X11 libraries and Texinfo 6.8.
Important: this version does NOT work on older Intel-based Macs - see below for Intel version.

Note: the use of X11 (including `tcltk`) requires [XQuartz](#) (version 2.8.1 or later). Always re-install XQuartz when upgrading your macOS to a new major version.

This release uses Xcode 13.1 and experimental GNU Fortran 12 arm64 fork. If you wish to compile R packages which contain Fortran code, you may need to download GNU Fortran for arm64 from <https://mac.R-project.org/tools>. Any external libraries and tools are expected to live in `/opt/R/arm64` to not conflict with Intel-based software and this build will not use `/usr/local` to avoid such conflicts (see the [tools page](#) for more details).

Falls Sie eine ältere macOS-Version haben, dann folgen Sie diesen Installationshinweisen und wählen die passende .pkg-Datei zum Download aus:

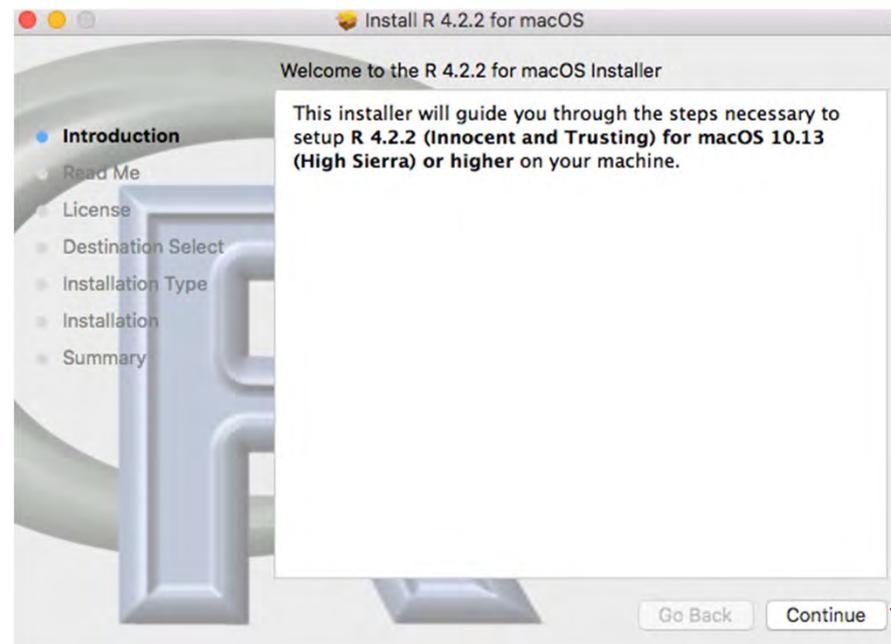
R for macOS

This directory contains binaries for a base distribution and packages to run on macOS. Releases for old Mac OS X systems (through Mac OS X 10.5) and PowerPC Macs can be found in the [old](#) directory.

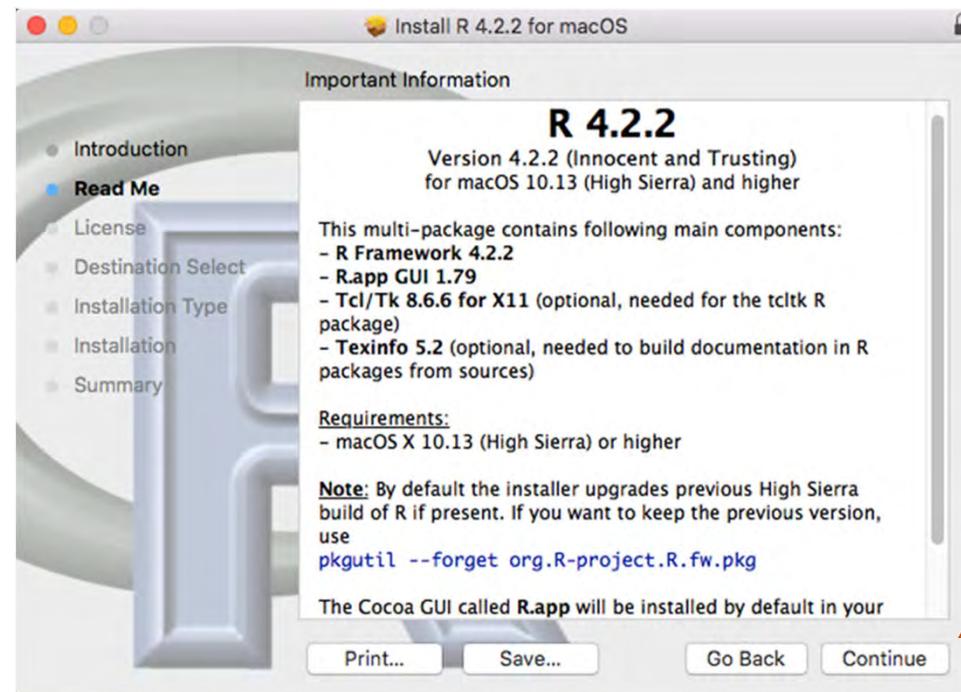
Note: Although we take precautions when assembling binaries, please use the normal precautions with downloaded executables.

Package binaries for R versions older than 3.2.0 are only available from the [CRAN archive](#) so users of such versions should adjust the CRAN mirror setting (<https://cran-archive.r-project.org>) accordingly.

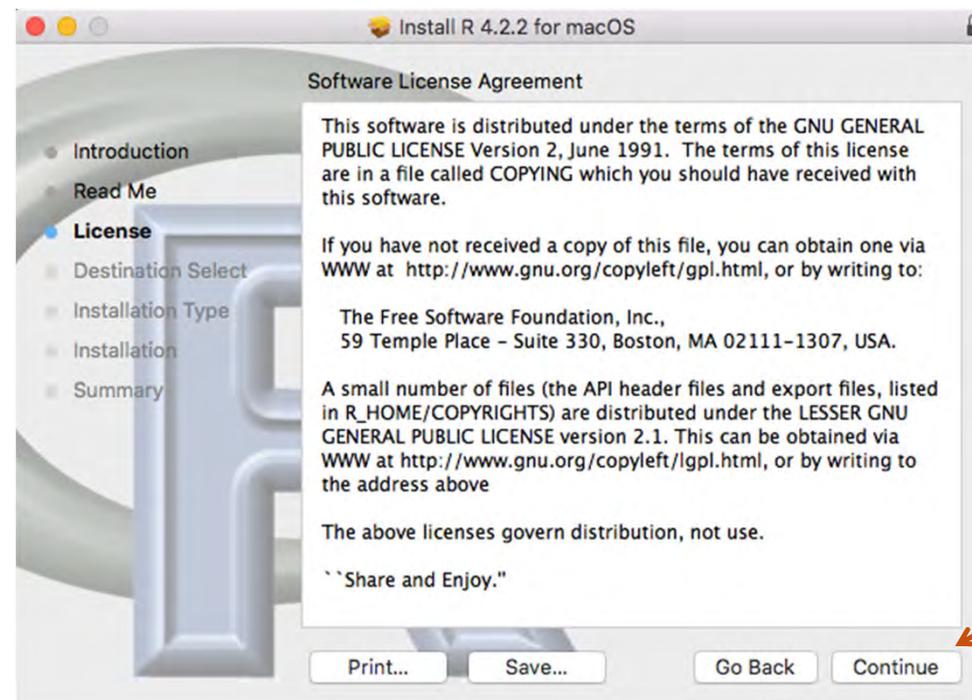
Nach dem Download der Datei öffnet sich der Installer und es erscheint je nach eingestellter Sprache folgendes Fenster. Klicken Sie auf *Weiter* bzw. *Continue*:



Als nächstes erscheinen Informationen (*Read Me*). Klicken Sie auf *Fortfahren* bzw. *Continue*:



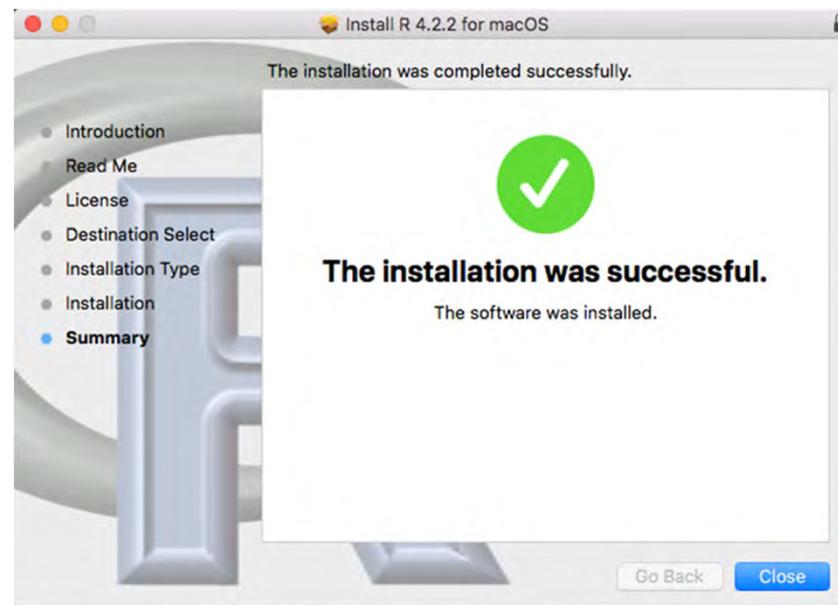
Lesen Sie die Informationen zur Lizenzvereinbarung. Klicken Sie auf *Fortfahren* bzw. *Continue* und akzeptieren anschließend die Vereinbarung:



Wählen Sie im nächsten Schritt den Zielordner für die Installation:

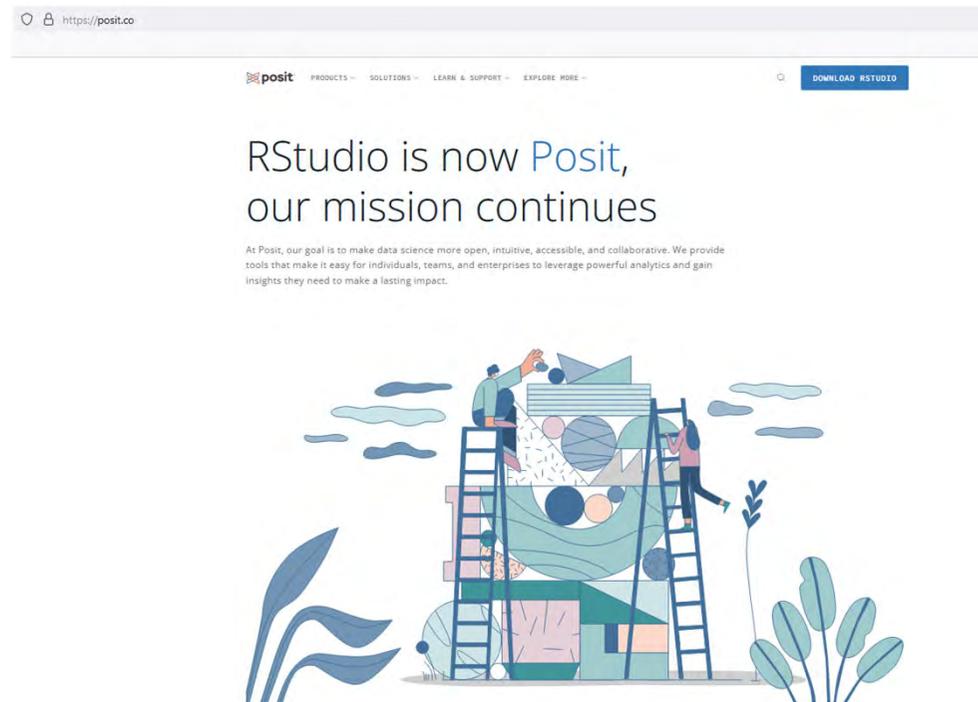
- Sie müssen entscheiden, wohin das Programm installiert werden soll. Falls Sie keine individuelle Organisation Ihres Rechners haben, können Sie es hier bei den Standardeinstellungen belassen.
- Der Ort für die Installation und der Installationstyp werden im Folgenden angezeigt, Sie können einfach auf **Installieren** klicken und somit die Installation starten (vermutlich muss an dieser Stelle dann Ihr Passwort eingegeben werden).

Die Installation von R wird nun abgeschlossen. Sie werden gefragt, ob Sie das Installationsprogramm in den Papierkorb legen möchten, das können Sie tun:

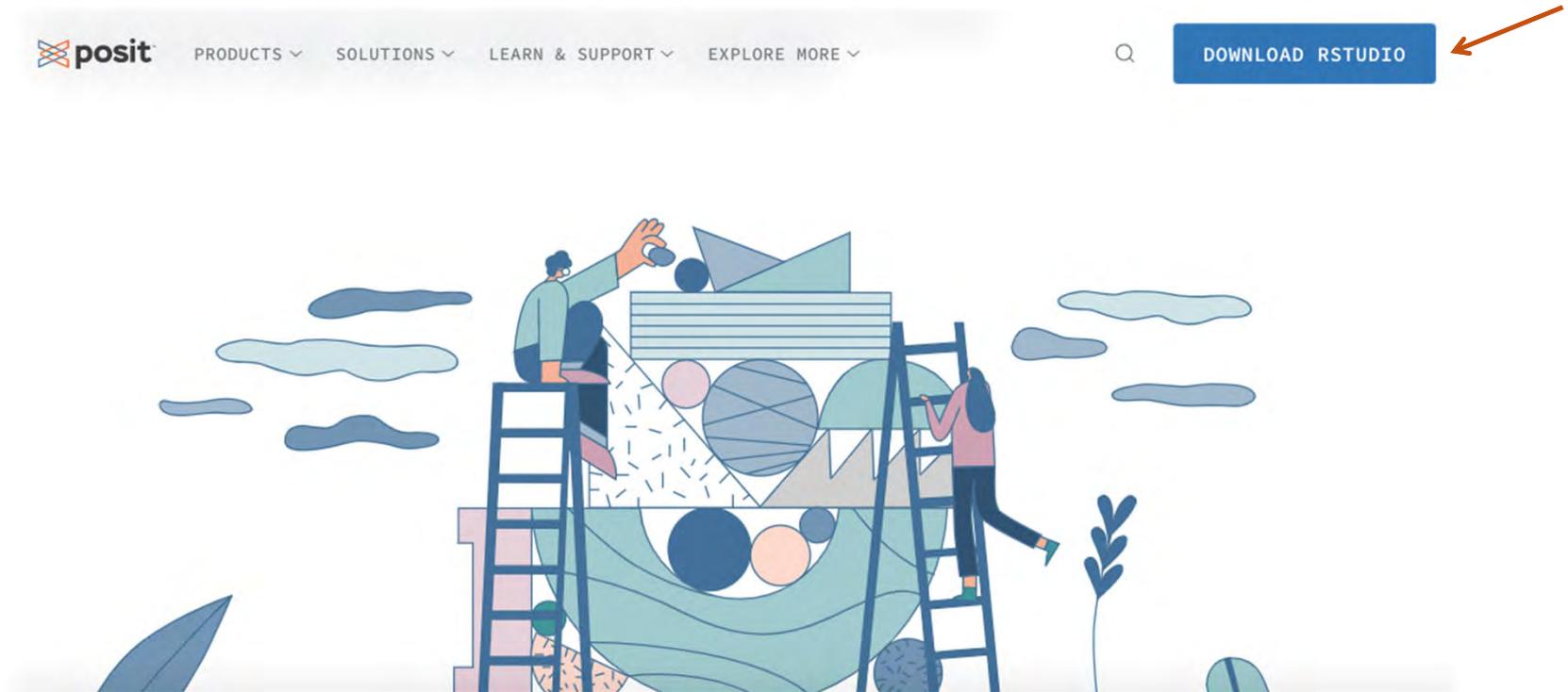


Installation von RStudio für macOS

Für die Installation von RStudio rufen Sie die Seite <https://posit.co> auf:



Klicken Sie auf den Download-Button rechts oben:



Wählen Sie dann die RStudio Desktop-Version und drücken nochmal auf Download:

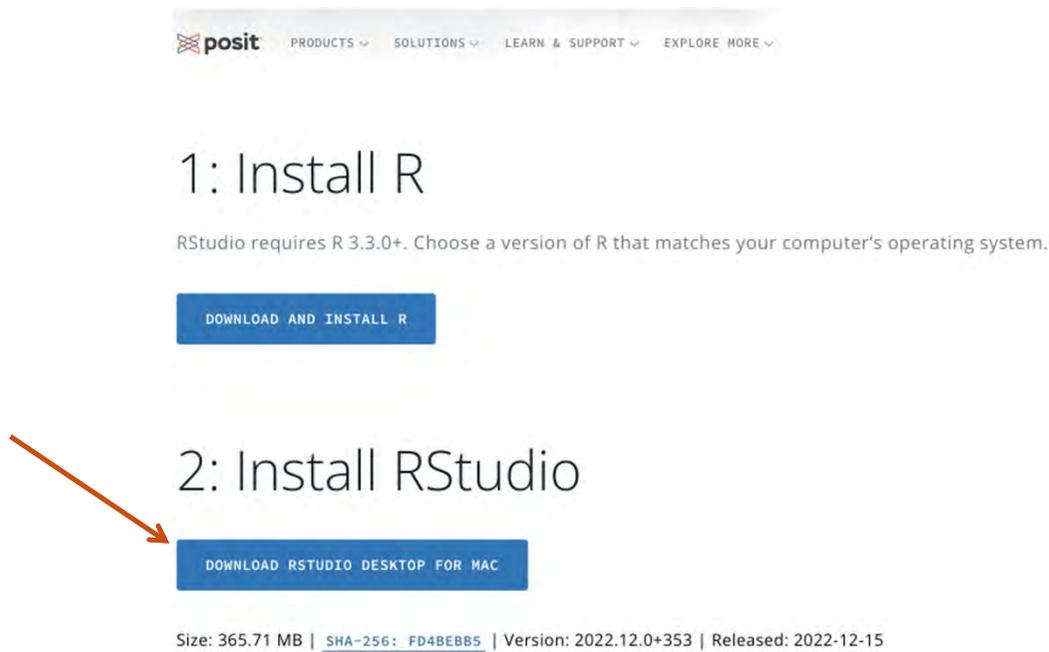
RStudio Desktop

Find out more about RStudio Desktop and RStudio Desktop Pro below.

[DOWNLOAD RSTUDIO](#)



Drücken Sie den Download-Button unter Schritt 2. Zur Erinnerung: R muss bereits installiert sein!



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1: Install R

RStudio requires R 3.3.0+. Choose a version of R that matches your computer's operating system.

DOWNLOAD AND INSTALL R

2: Install RStudio

DOWNLOAD RSTUDIO DESKTOP FOR MAC

Size: 365.71 MB | [SHA-256: FD4BEBB5](#) | Version: 2022.12.0+353 | Released: 2022-12-15

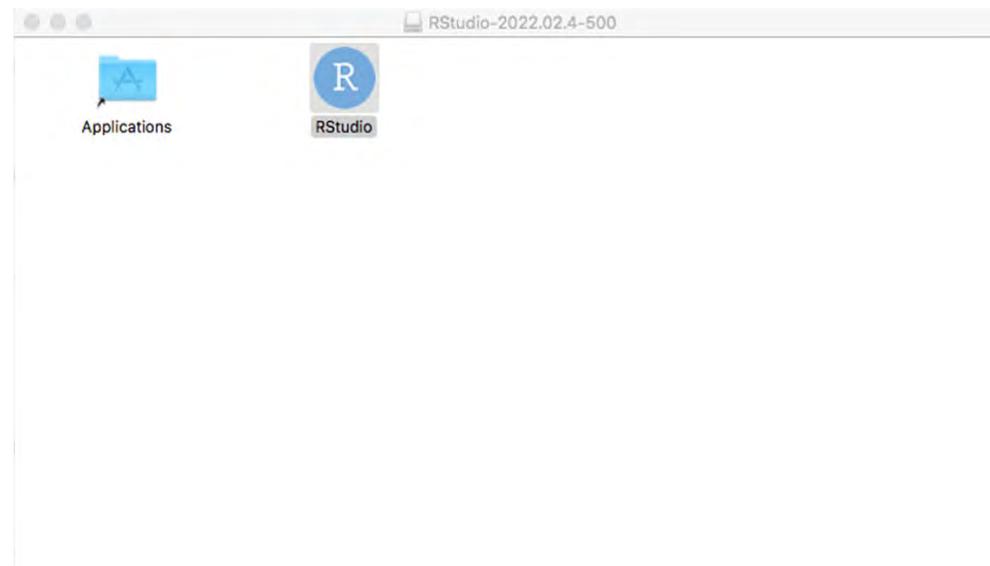
Wählen Sie eventuell weiter unten auf der Seite unter *an older Version of RStudio* eine Version, die zu ihrer macOS-Version passt:

RStudio requires a 64-bit operating system. If you are on a 32 bit system, you can use [an older version of RStudio](#).



Linux users may need to import [Posit's public code-signing key](#) prior to installation, depending on the operating system's security policy.

Wenn der Download abgeschlossen ist, können Sie die Datei öffnen und RStudio einfach per Drag and Drop in den *Applications* – Ordner verschieben.



Öffnen Sie RStudio. Sie können jetzt mit Ihrer Analyse starten

