



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

Installation von R und RStudio unter Windows

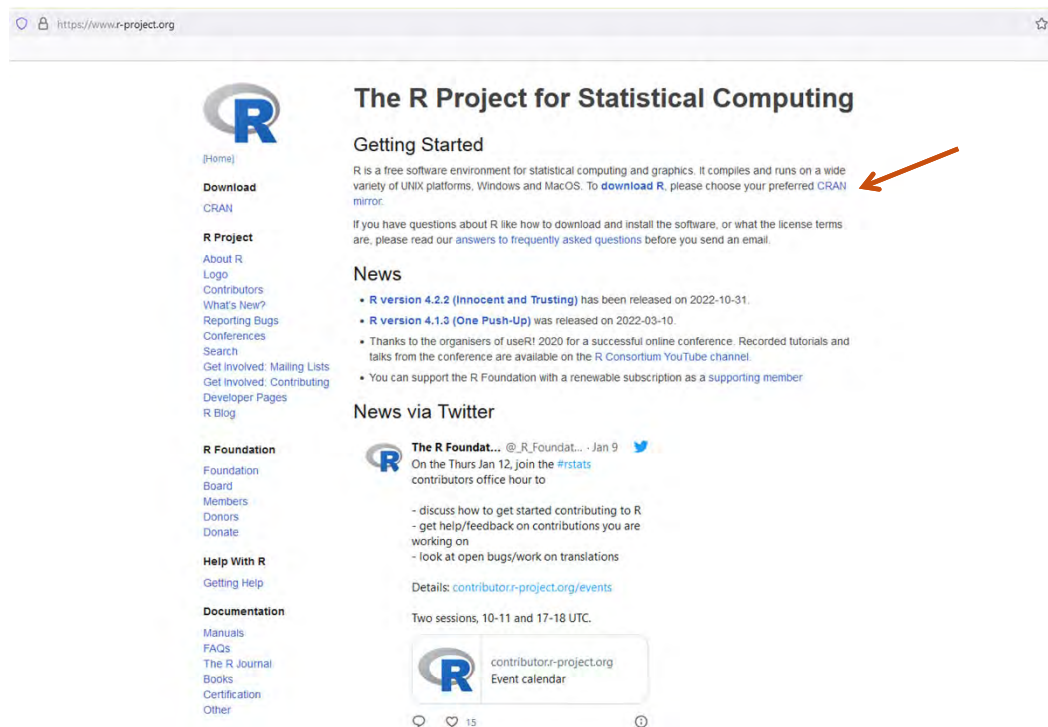
Fakultät für **Kultur- und Sozialwissenschaften**
Arbeitsstelle Quantitative Methoden
Verena Bade

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 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 main heading is "The R Project for Statistical Computing". Below this, the "Getting Started" section contains 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." An orange arrow points to the "download R" link. Below the "Getting Started" section is the "News" section, which lists recent releases and events. The "News via Twitter" section features a tweet from @R_Foundat... dated Jan 9, which promotes an event on Thursday, Jan 12, from 10-11 and 17-18 UTC. The tweet includes a link to contributor-r-project.org/events and a small image of the event calendar.

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.csiro.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

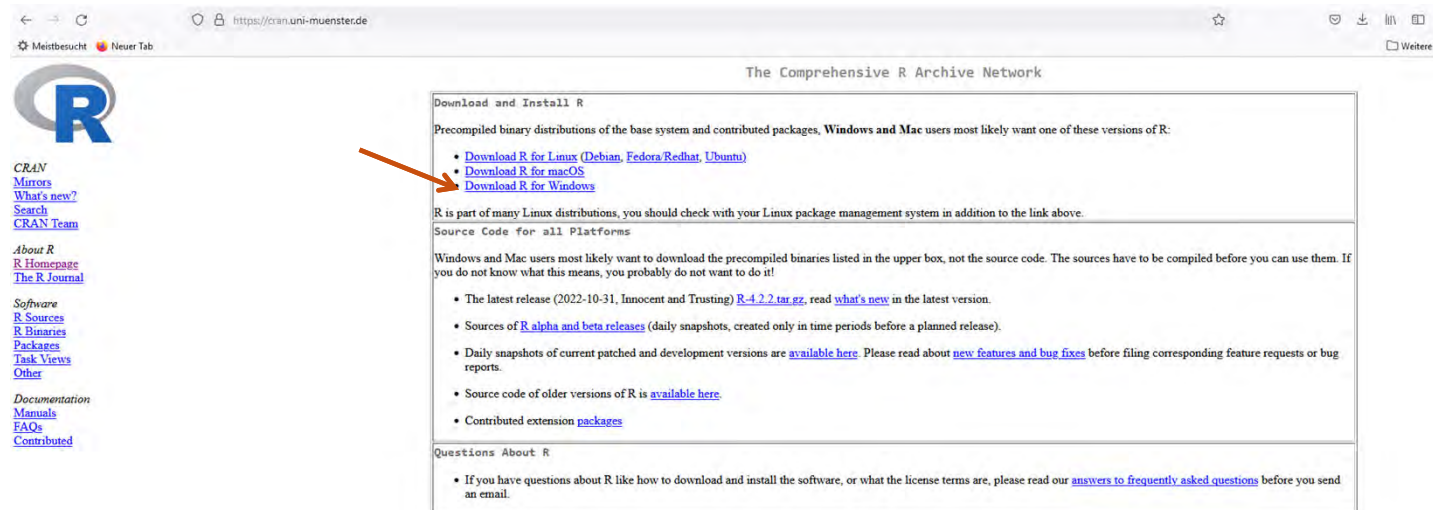
Folgende CRAN-Server stehen in Deutschland zur Verfügung:

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 Windows:



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". It contains the following text and links:

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 \(Debian, Fedora/Redhat, Ubuntu\)](#)
- [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.

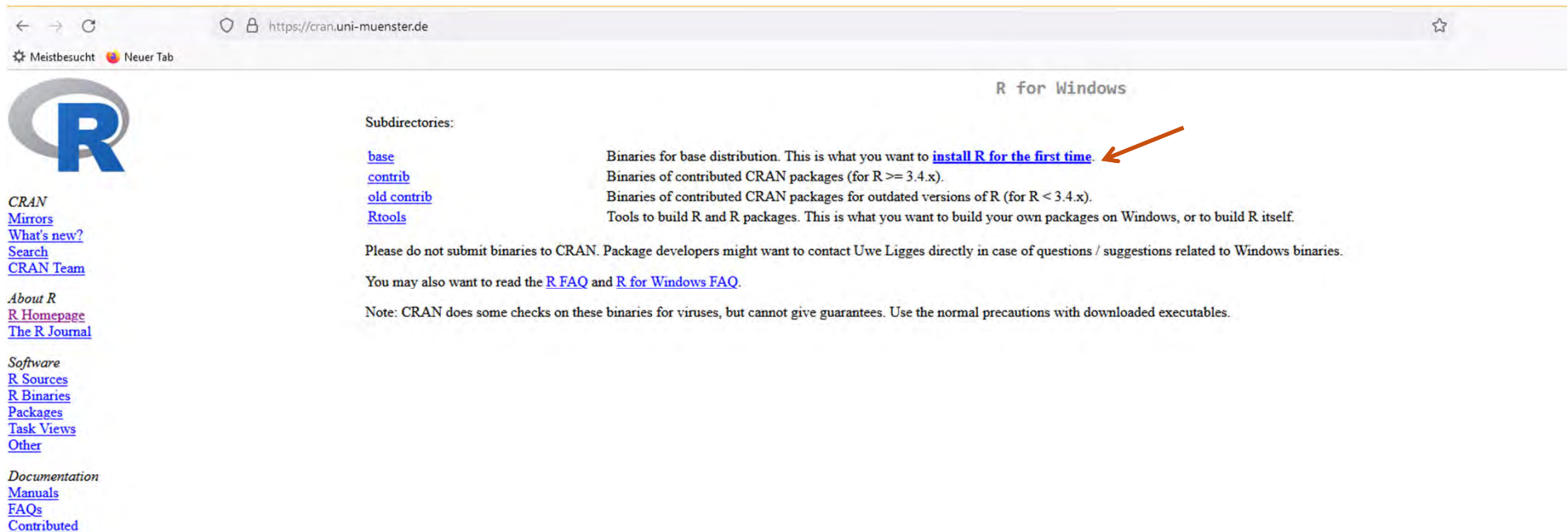
Submitting to CRAN

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.

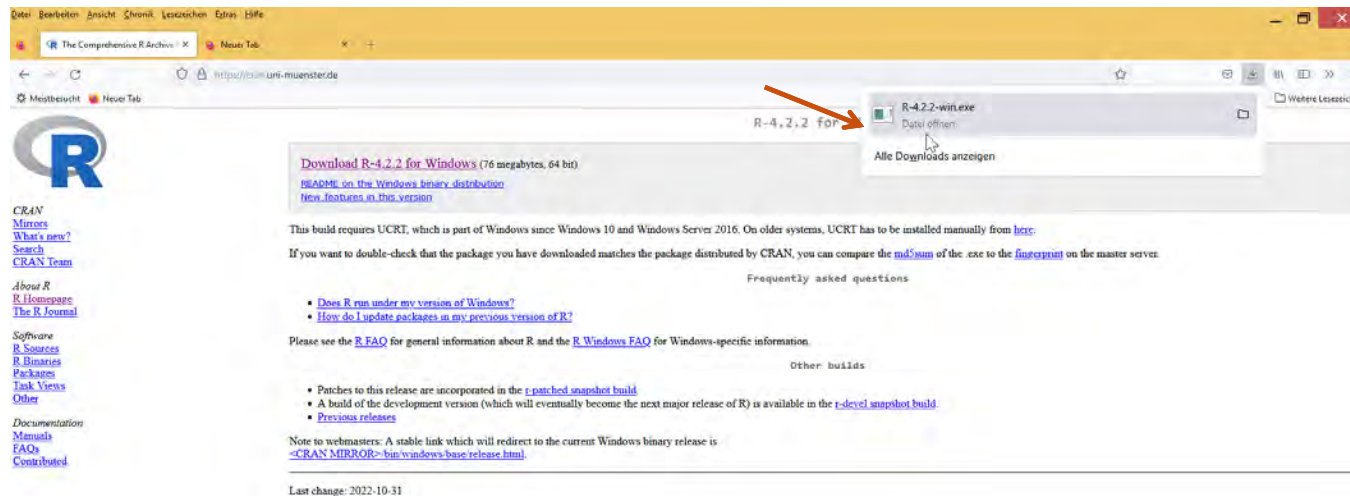
Note that we generally do not accept submissions of precompiled binaries due to security reasons. All binary distribution listed above are compiled by selected maintainers, who are in charge for all binaries of their platform, respectively.

Folgen Sie nun dem Link [install R for the first time](#):



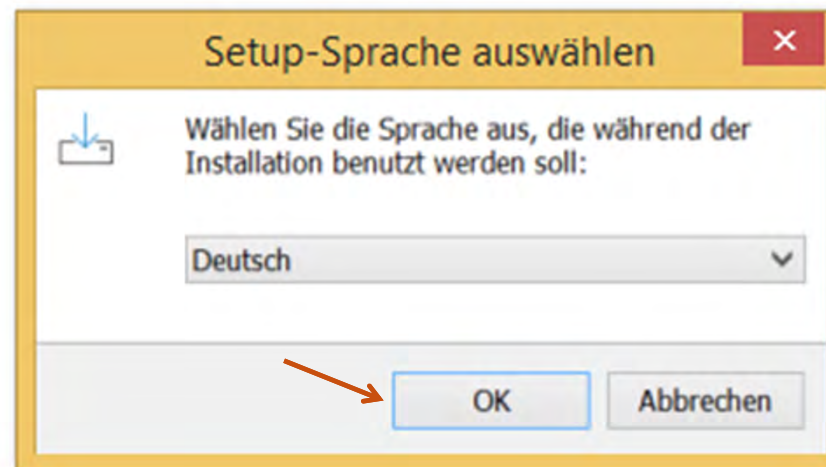
The screenshot shows a web browser window with the address bar displaying <https://cran.uni-muenster.de>. The page title is "R for Windows". On the left side, there is a navigation menu with links for "CRAN", "Mirrors", "What's new?", "Search", "CRAN Team", "About R", "R Homepage", "The R Journal", "Software", "R Sources", "R Binaries", "Packages", "Task Views", "Other", and "Documentation" (Manuals, FAQs, Contributed). The main content area is titled "Subdirectories:" and lists four categories: "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 >= 3.4.x)), "old contrib" (Binaries of contributed CRAN packages for outdated versions of R (for R < 3.4.x)), and "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). Below this, there is a note: "Please do not submit binaries to CRAN. Package developers might want to contact Uwe Ligges directly in case of questions / suggestions related to Windows binaries." and another note: "You may also want to read the [R FAQ](#) and [R for Windows FAQ](#)." A final note states: "Note: CRAN does some checks on these binaries for viruses, but cannot give guarantees. Use the normal precautions with downloaded executables." An orange arrow points to the link "install R for the first time" in the "base" subdirectory description.

Rufen Sie nun die heruntergeladene Datei auf:

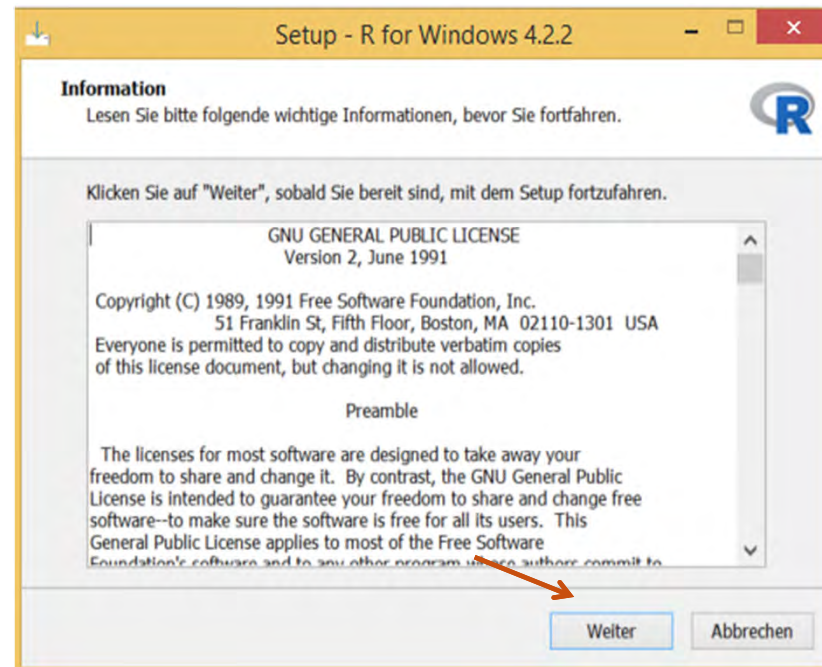


The screenshot shows a web browser window with the URL <https://cran.uni-muenster.de>. The page content includes the CRAN logo, navigation links (CRAN, Mirrors, What's new?, Search, CRAN Team, About R, R Homepage, The R Journal, Software, R Sources, R Binaries, Packages, Task Views, Other, Documentation, Manuals, FAQs, Contributed), and the main content area. The main content area features a download button for 'R-4.2.2 for Windows (76 megabytes, 64 bit)' with links to 'README on the Windows binary distribution' and 'New features in this version'. Below this, there is a note about UCRT requirements and instructions on how to verify the download. A 'Frequently asked questions' section lists 'Does R run under my version of Windows?' and 'How do I update packages at my previous version of R?'. A 'Please see the R FAQ for general information about R and the R Windows FAQ for Windows-specific information.' note is present. An 'Other builds' section lists '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 in the r-devel snapshot build', and 'Previous releases'. A note for webmasters provides a stable link to the current Windows binary release: [-CRAN.MIRROR- bin/windows/base/release.html](https://CRAN.MIRROR/bin/windows/base/release.html). The page footer indicates 'Last change: 2022-10-31'. A download bar at the top right shows the file 'R-4.2.2-win.exe' has been downloaded, with a button to 'Alle Downloads anzeigen'. An orange arrow points from the text 'Rufen Sie nun die heruntergeladene Datei auf:' to the download bar.

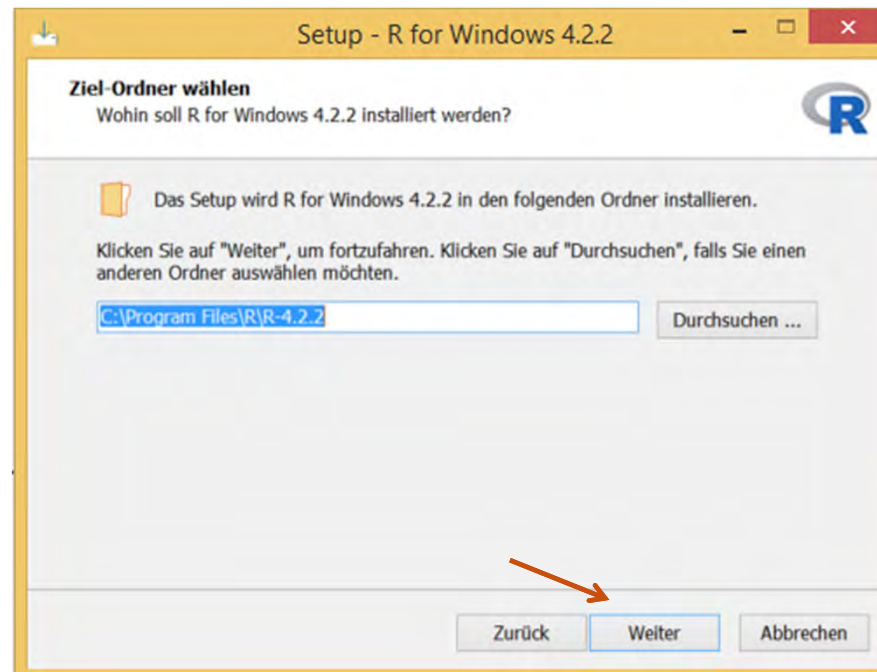
Wählen Sie die Sprache für die Installation aus:



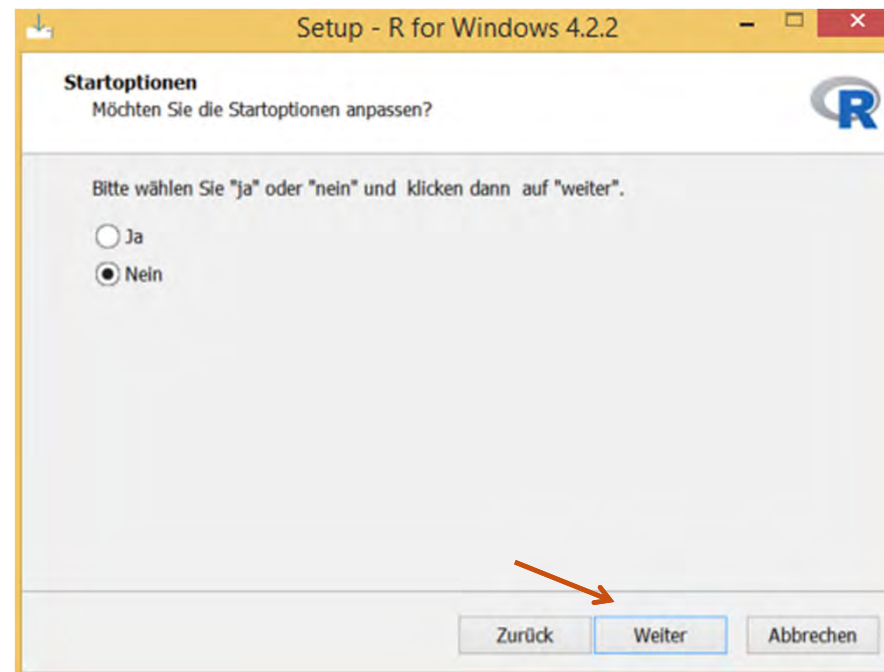
Lesen Sie die Informationen zur Lizenzvereinbarung und bestätigen Sie diese:



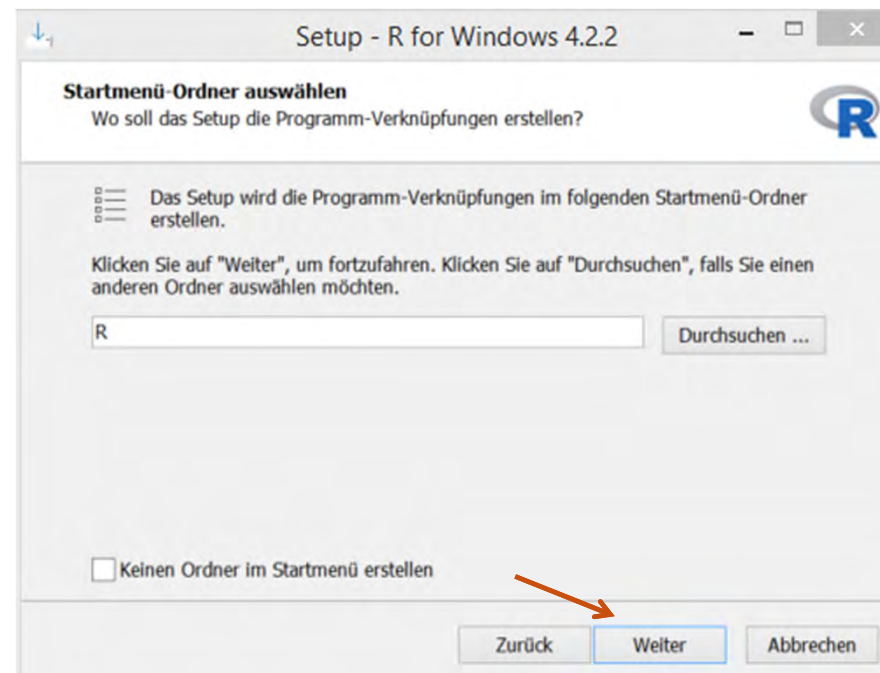
Wählen Sie den Zielordner für die Installation. Die Voreinstellungen können in der Regel übernommen werden:



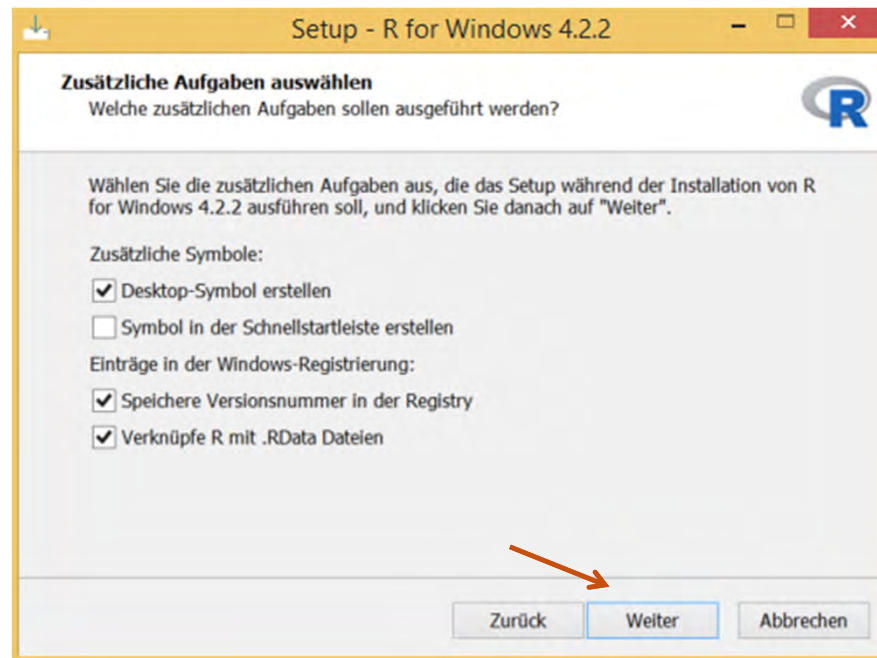
Wählen Sie, ob Sie die Startoptionen anpassen wollen. Die Voreinstellungen können in der Regel übernommen werden:



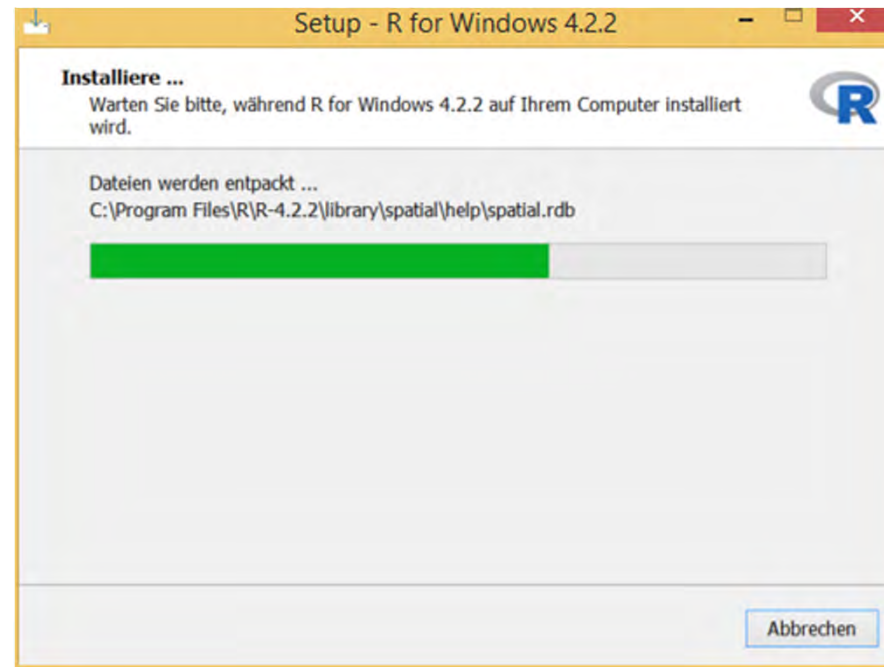
Wählen Sie einen Ordner für das Startmenü. Die Voreinstellungen können in der Regel übernommen werden:



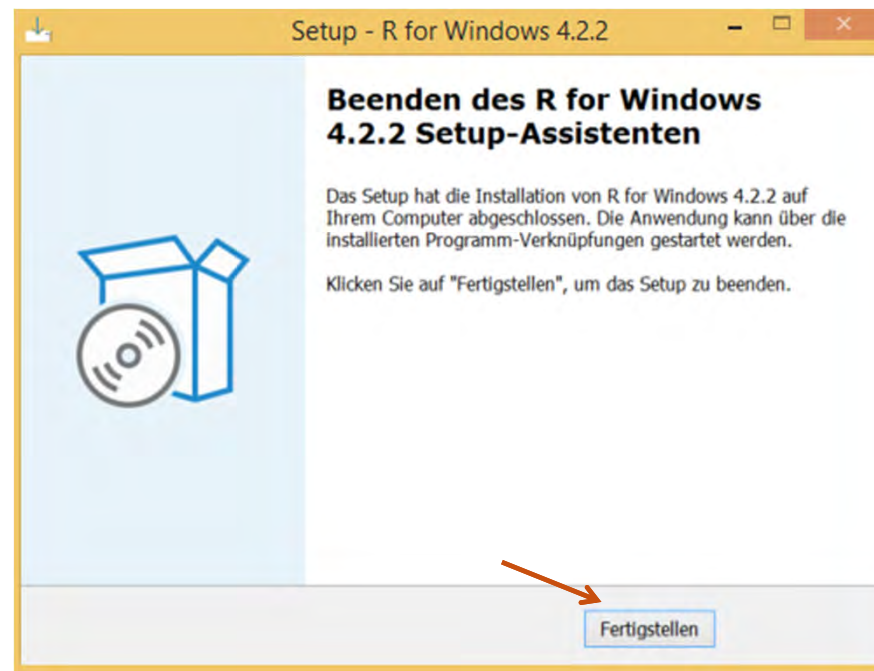
Sie haben jetzt die Möglichkeit, zusätzliche Aufgaben auszuwählen. Die Voreinstellungen können in der Regel übernommen werden:



R wird nun installiert:

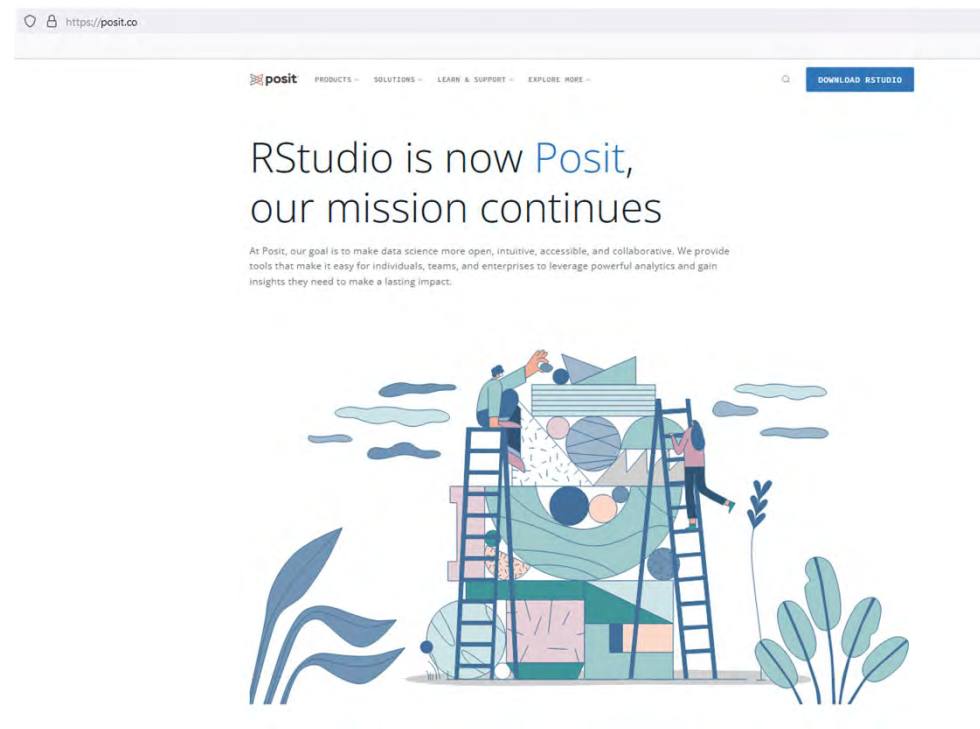


Die Installation von R wird nun abgeschlossen. Bestätigen Sie den Vorgang durch Klicken von *Fertigstellen*:

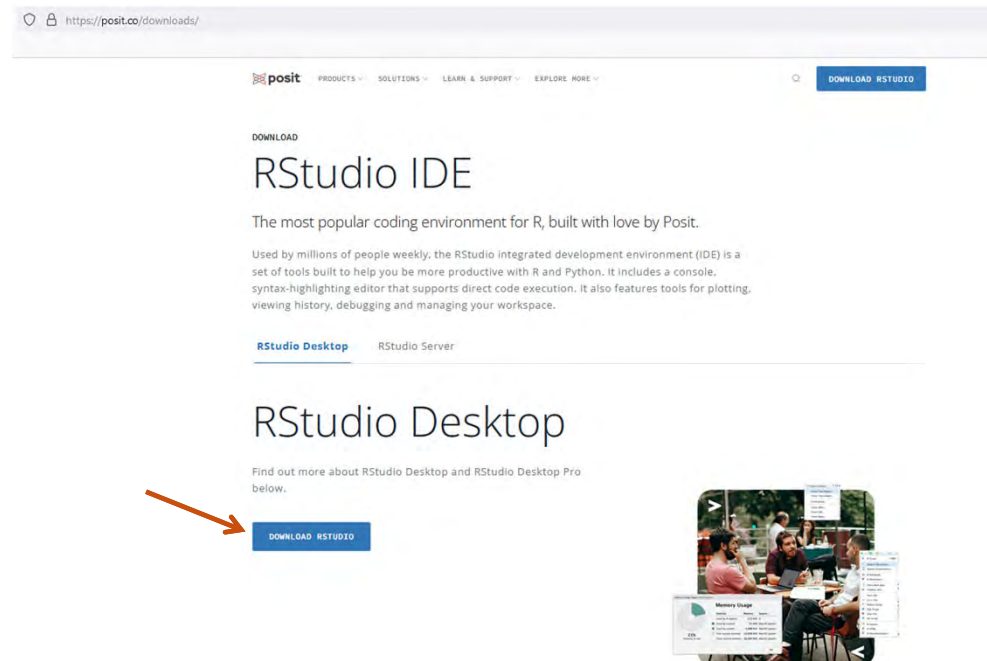


Installation von RStudio

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

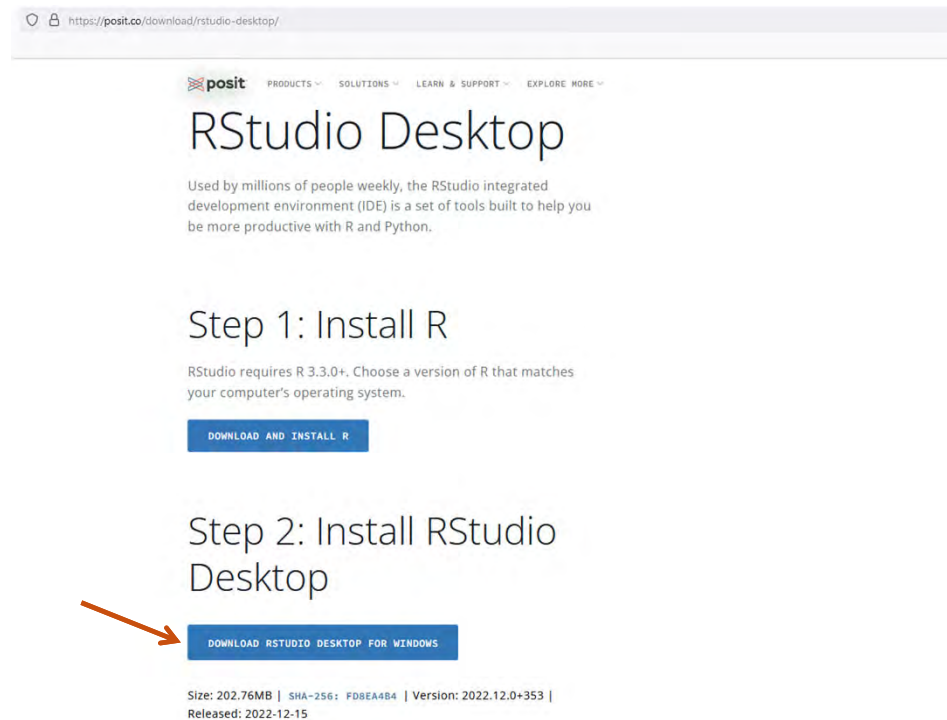


Wählen Sie die RStudio Desktop-Version und klicken Sie auf den Download-Button:



The screenshot shows the Posit website's download page for RStudio. The browser address bar displays `https://posit.co/downloads/`. The page features the Posit logo and navigation links: PRODUCTS, SOLUTIONS, LEARN & SUPPORT, and EXPLORE MORE. A search icon and a 'DOWNLOAD RSTUDIO' button are visible in the top right. The main content is divided into two sections: 'RStudio IDE' and 'RStudio Desktop'. The 'RStudio IDE' section includes a description: 'The most popular coding environment for R, built with love by Posit.' and a paragraph about its features. Below this, there are links for 'RStudio Desktop' and 'RStudio Server'. The 'RStudio Desktop' section has a sub-heading 'RStudio Desktop' and a paragraph: 'Find out more about RStudio Desktop and RStudio Desktop Pro below.' An orange arrow points to the 'DOWNLOAD RSTUDIO' button located below this paragraph. To the right of the text is a small image showing a group of people in a meeting, with a 'Memory Usage' window overlaid on the screen.

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



The screenshot shows the RStudio Desktop download page on the website <https://posit.co/download/rstudio-desktop/>. The page features the Posit logo and navigation links for PRODUCTS, SOLUTIONS, LEARN & SUPPORT, and EXPLORE MORE. The main heading is "RStudio Desktop", followed by a description: "Used by millions of people weekly, the RStudio integrated development environment (IDE) is a set of tools built to help you be more productive with R and Python." Below this, there are two main steps: "Step 1: Install R" and "Step 2: Install RStudio Desktop". Under Step 1, there is a button labeled "DOWNLOAD AND INSTALL R". Under Step 2, there is a button labeled "DOWNLOAD RSTUDIO DESKTOP FOR WINDOWS", which is highlighted with an orange arrow. At the bottom of the page, technical details are provided: "Size: 202.76MB | SHA-256: FD8EA4B4 | Version: 2022.12.0+353 | Released: 2022-12-15".

https://posit.co/download/rstudio-desktop/

posit PRODUCTS SOLUTIONS LEARN & SUPPORT EXPLORE MORE

RStudio Desktop

Used by millions of people weekly, the RStudio integrated development environment (IDE) is a set of tools built to help you be more productive with R and Python.

Step 1: Install R

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

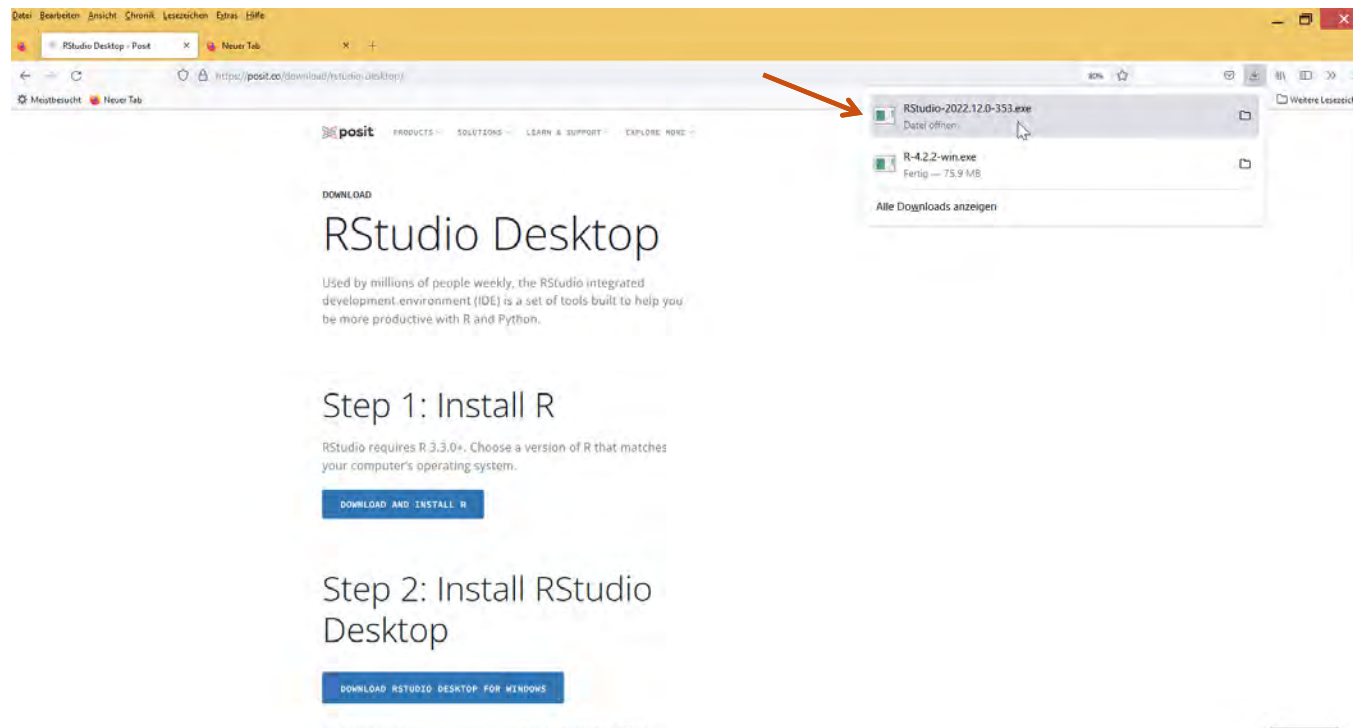
DOWNLOAD AND INSTALL R

Step 2: Install RStudio Desktop

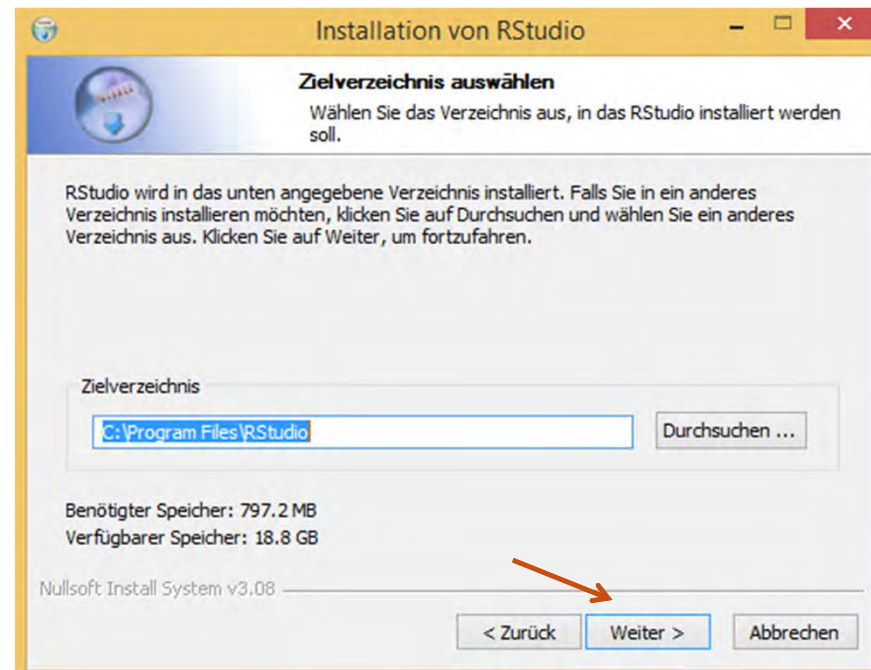
DOWNLOAD RSTUDIO DESKTOP FOR WINDOWS

Size: 202.76MB | SHA-256: FD8EA4B4 | Version: 2022.12.0+353 | Released: 2022-12-15

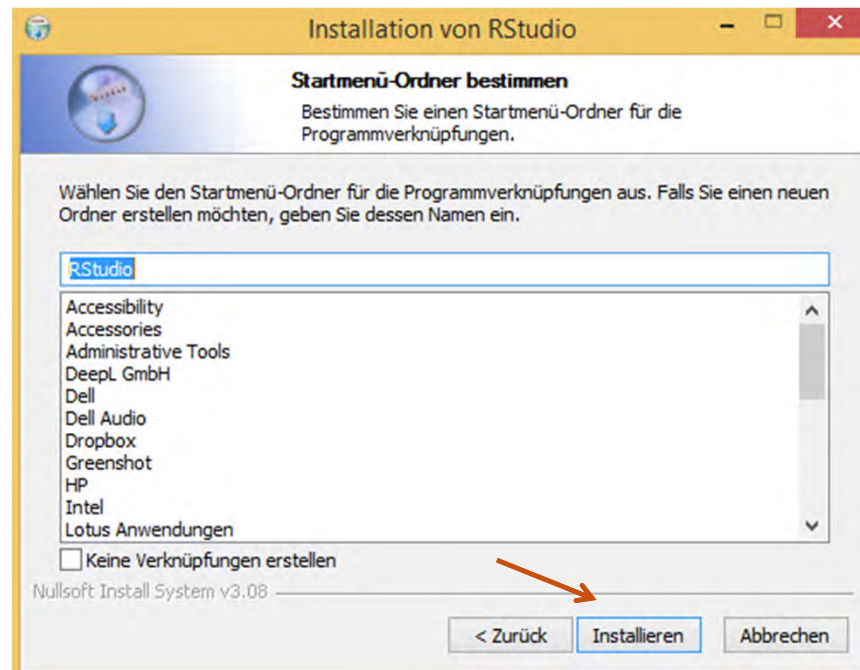
Rufen Sie nun die heruntergeladene Datei auf:



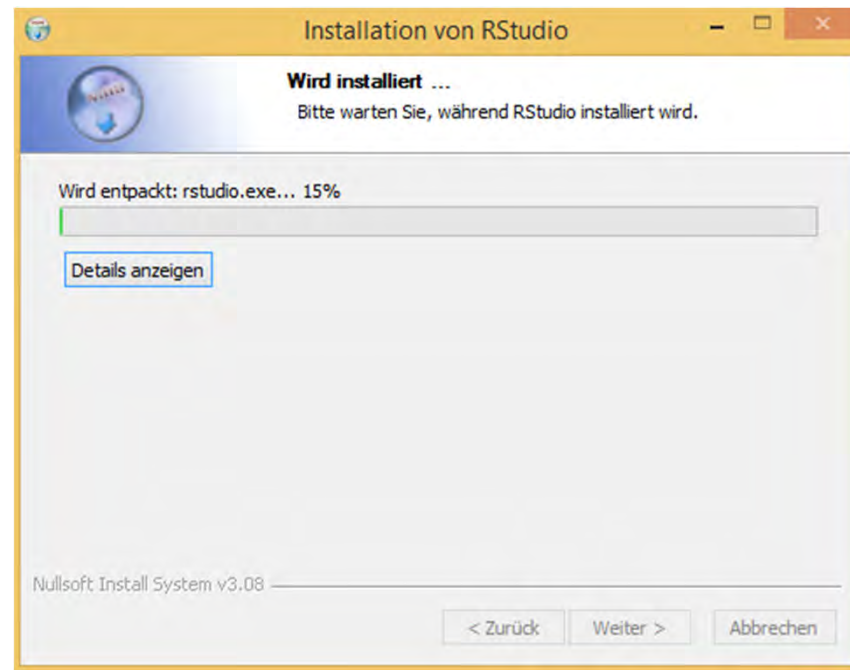
Wählen Sie das Zielverzeichnis für die Installation. Die Voreinstellungen können in der Regel übernommen werden :



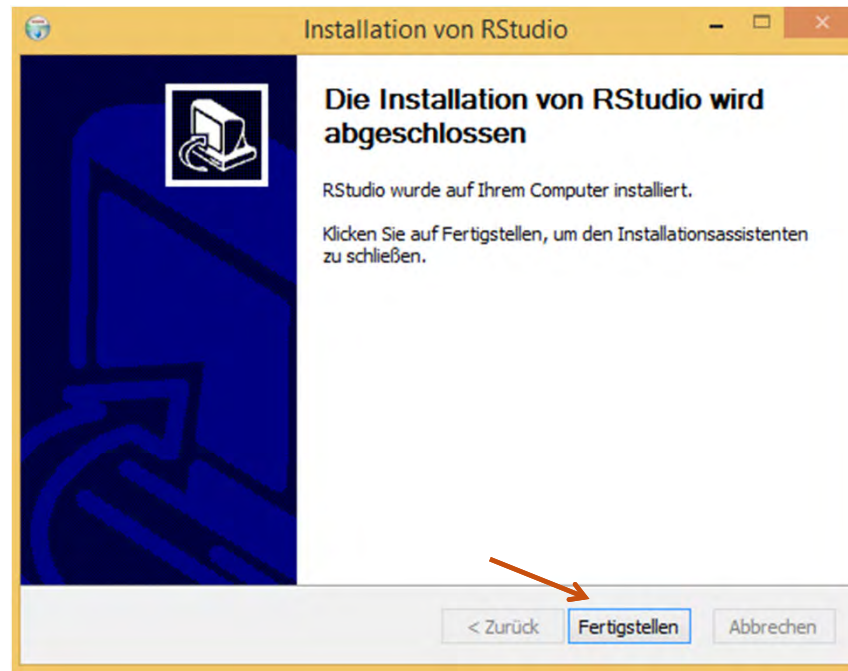
Wählen Sie den Ordner für das Startmenü. Die Voreinstellungen können in der Regel übernommen werden:



RStudio wird nun installiert:



Die Installation von RStudio wird nun abgeschlossen. Bestätigen Sie den Vorgang durch Klicken von *Fertigstellen*:



Öffnen Sie RStudio. Sie können jetzt mit Ihrer Analyse starten

