

Download e Instalação do R, RStudio e LaTeX



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Download do R



The Comprehensive R Archive Network

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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.

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

R for Windows

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Subdirectories:

[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 \geq 4.0.x).

[old contrib](#)

Binaries of contributed CRAN packages for outdated versions of R (for R $<$ 4.0.x).

[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.

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.

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.



R-4.5.0 for Windows

3



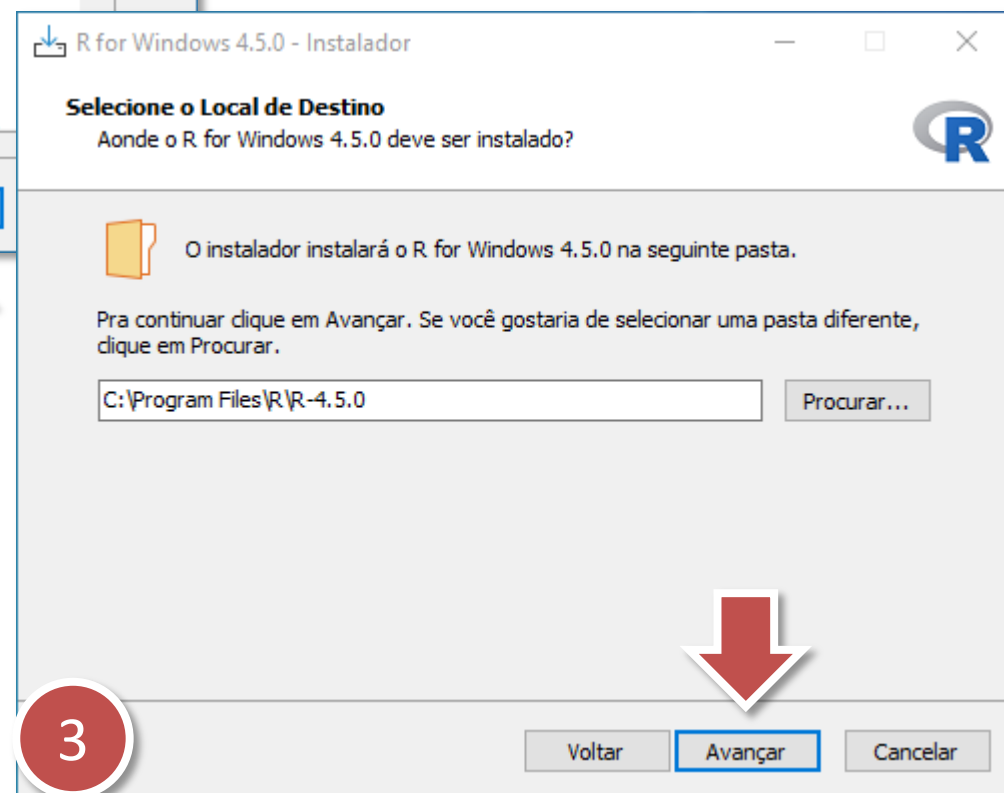
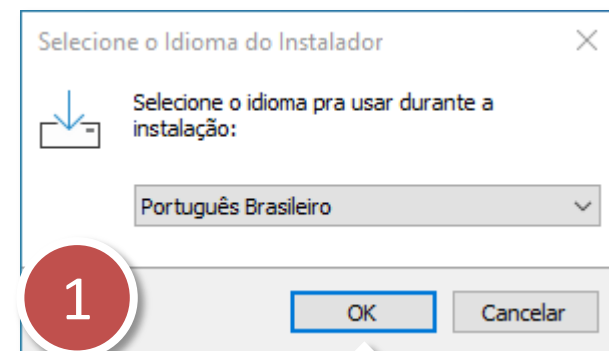
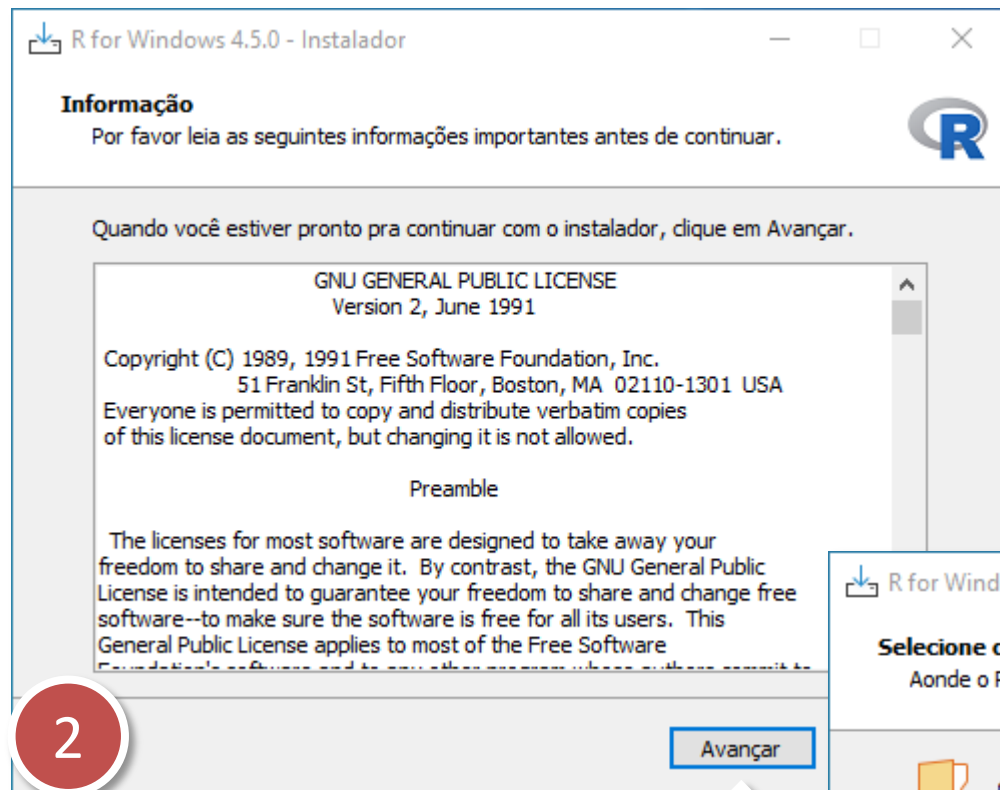
[Download R-4.5.0 for Windows](#) (86 megabytes, 64 bit)

[README on the Windows binary distribution](#)

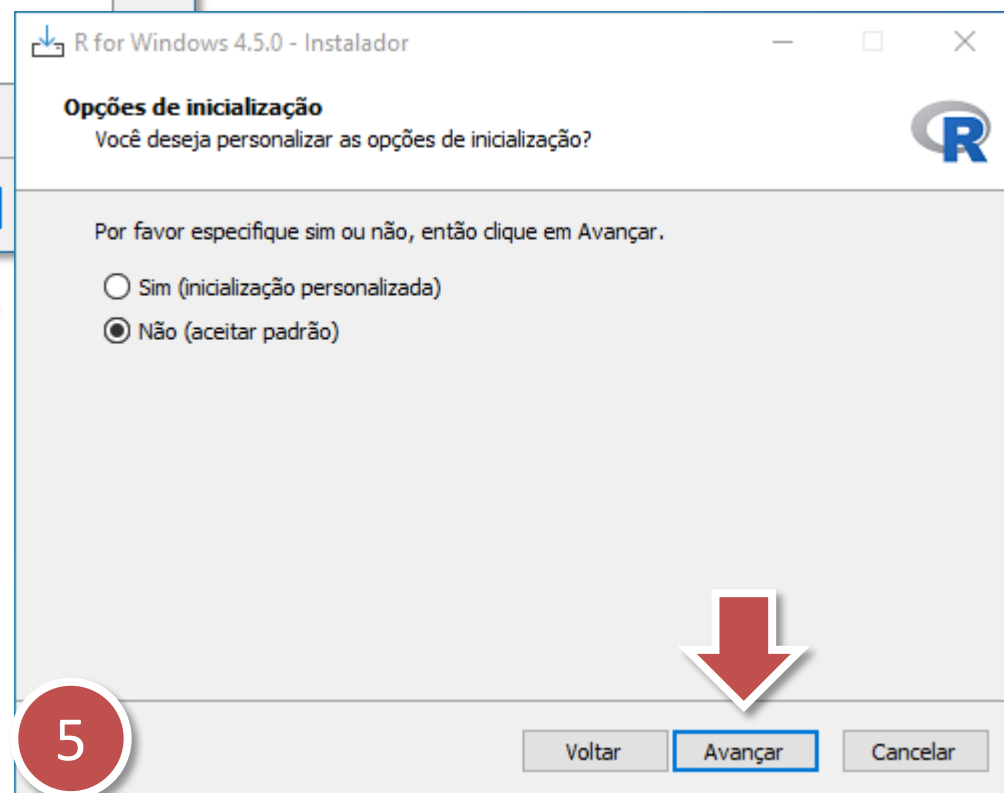
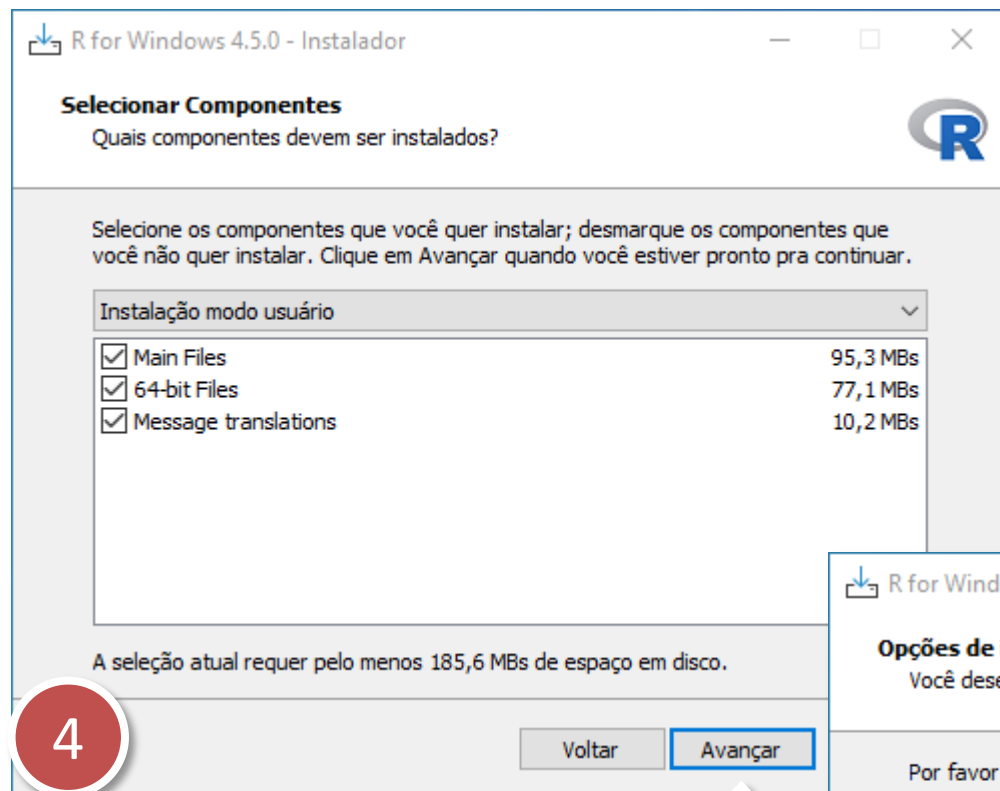
[New features in this version](#)

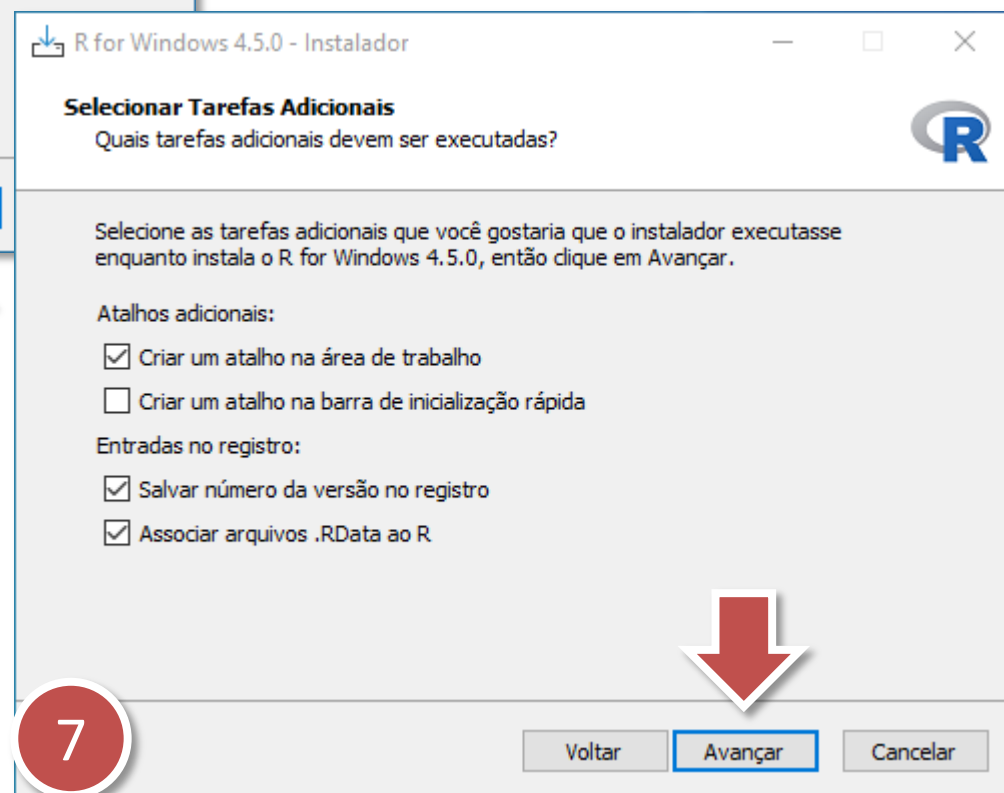
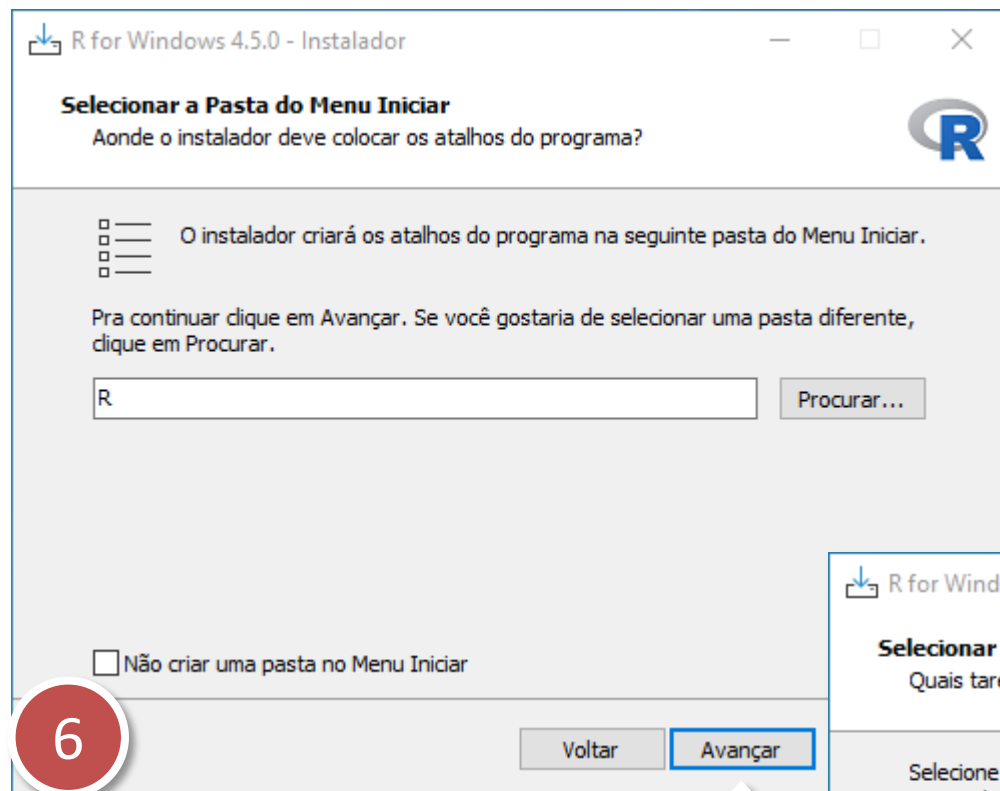
This build requires UCRT, which is part of Windows since Windows 10 and Windows Server 2016. On older systems, UCRT has to be installed manually from [here](#).

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.

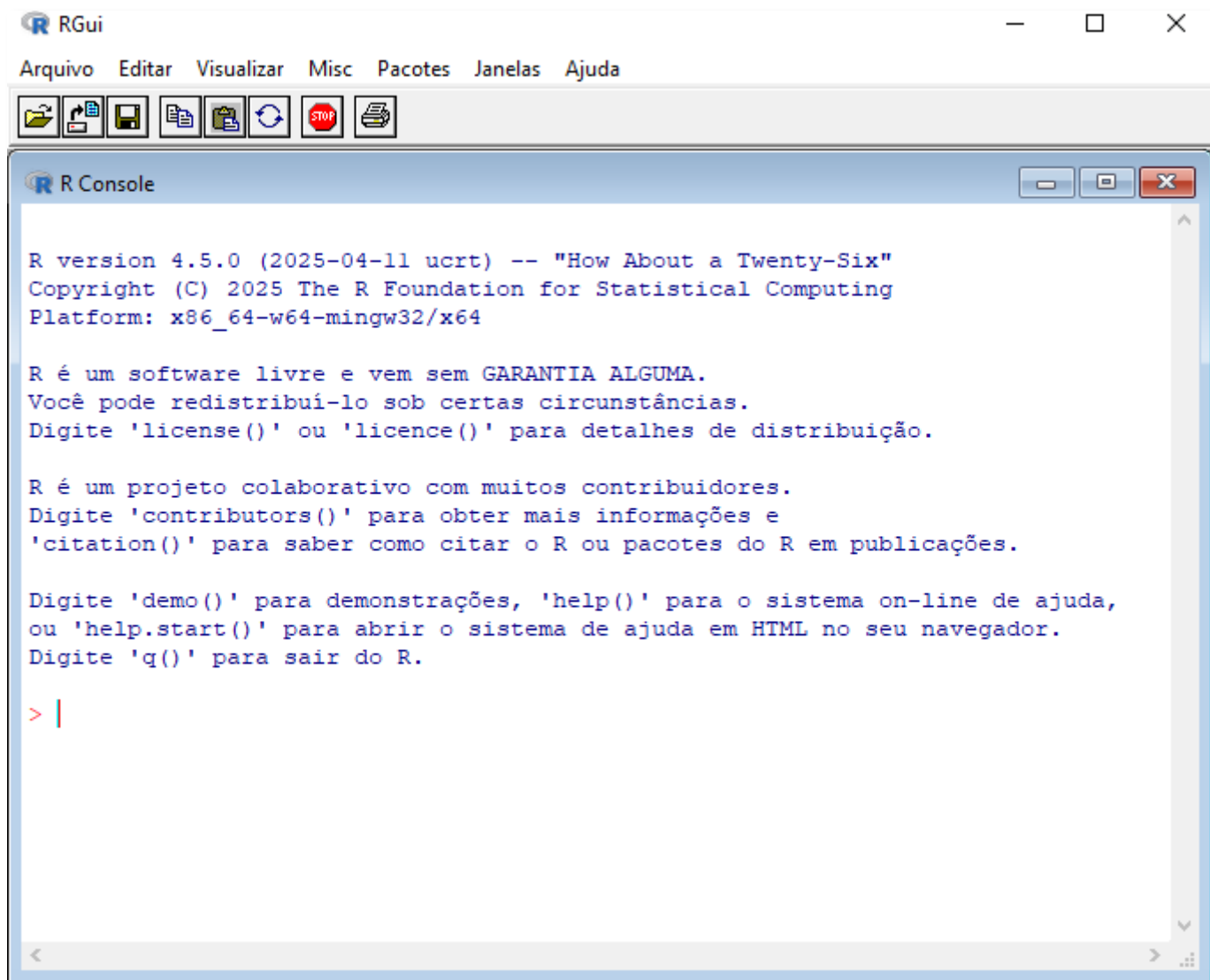


Instalação
do R





Console do R



The screenshot shows the RGui application window. The title bar reads "RGui". The menu bar includes "Arquivo", "Editar", "Visualizar", "Misc", "Pacotes", "Janelas", and "Ajuda". The toolbar contains icons for file operations (open, save, print, etc.). The main window is titled "R Console" and displays the following text:

```
R version 4.5.0 (2025-04-11 ucrt) -- "How About a Twenty-Six"
Copyright (C) 2025 The R Foundation for Statistical Computing
Platform: x86_64-w64-mingw32/x64

R é um software livre e vem sem GARANTIA ALGUMA.
Você pode redistribuí-lo sob certas circunstâncias.
Digite 'license()' ou 'licence()' para detalhes de distribuição.

R é um projeto colaborativo com muitos contribuidores.
Digite 'contributors()' para obter mais informações e
'citation()' para saber como citar o R ou pacotes do R em publicações.

Digite 'demo()' para demonstrações, 'help()' para o sistema on-line de ajuda,
ou 'help.start()' para abrir o sistema de ajuda em HTML no seu navegador.
Digite 'q()' para sair do R.

> |
```

Download do RStudio



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.

Don't want to download or install anything? Get started with RStudio on [Posit Cloud for free](#). If you're a professional data scientist looking to download RStudio and also need common enterprise features, don't hesitate to [book a call with us](#).

<https://posit.co/downloads/>

1: Install R

RStudio requires R 3.6.0+. Choose a version of R that matches your computer's operating system.

R is not a Posit product. By clicking on the link below to download and install R, you are leaving the Posit website. Posit disclaims any obligations and all liability with respect to R and the R website.

DOWNLOAD AND INSTALL R

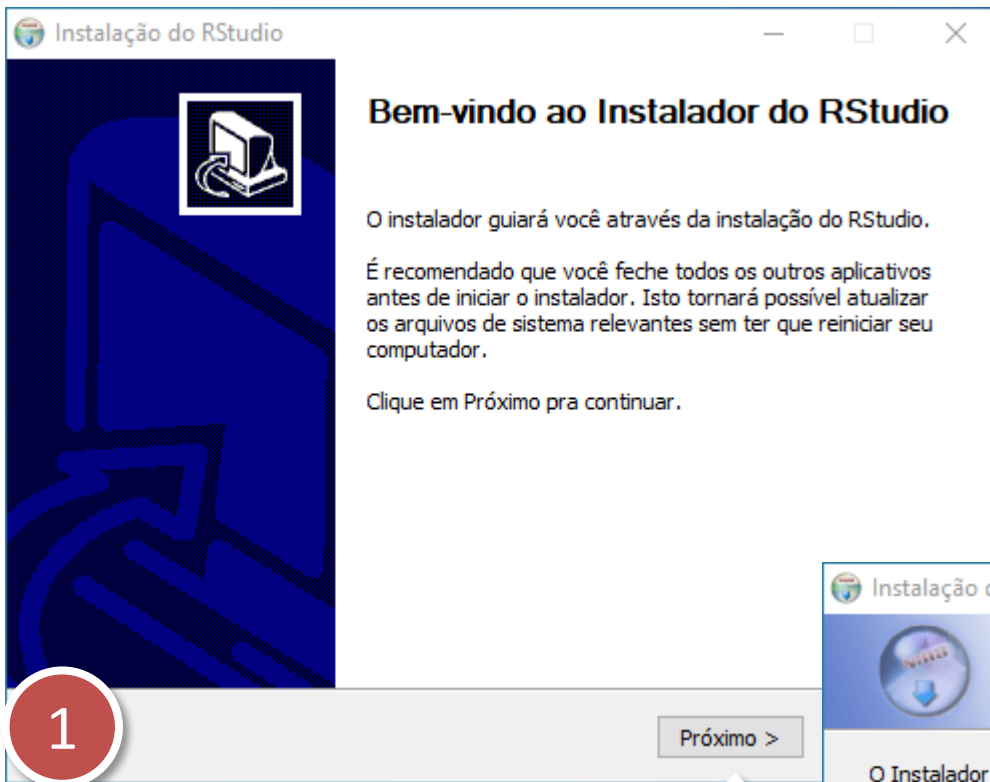
Install RStudio

1

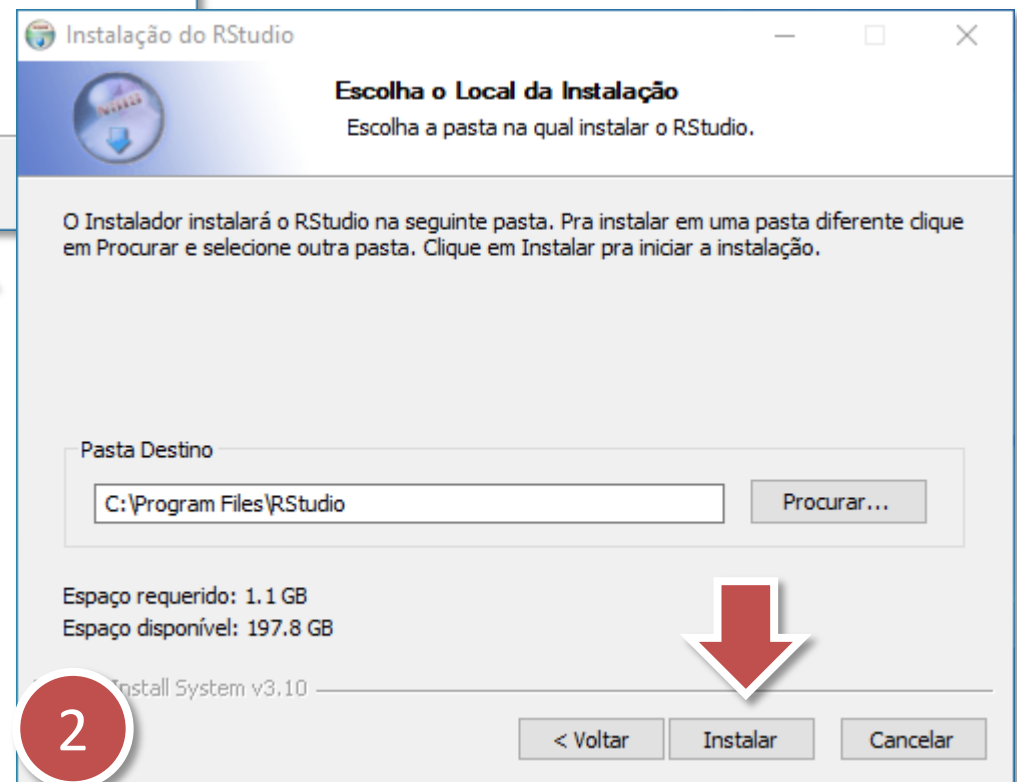
DOWNLOAD RSTUDIO DESKTOP FOR WINDOWS

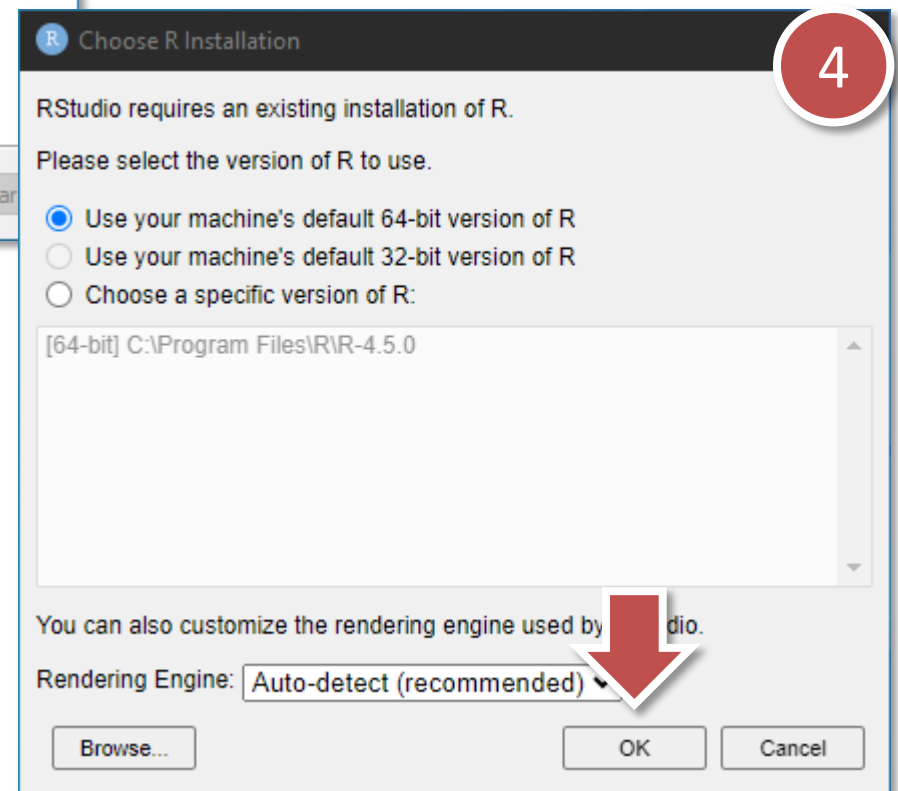
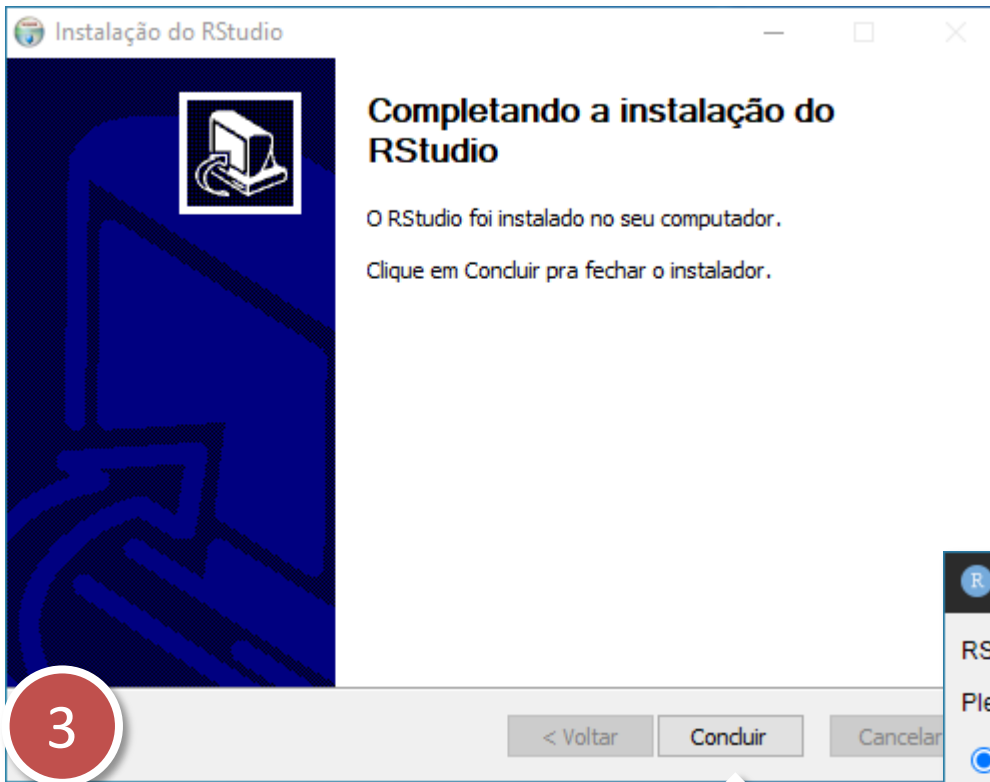


Size: 281.27 MB | [SHA-256: 9E6F68CA](#) | Version:
2025.05.0+496 | Released: 2025-05-05

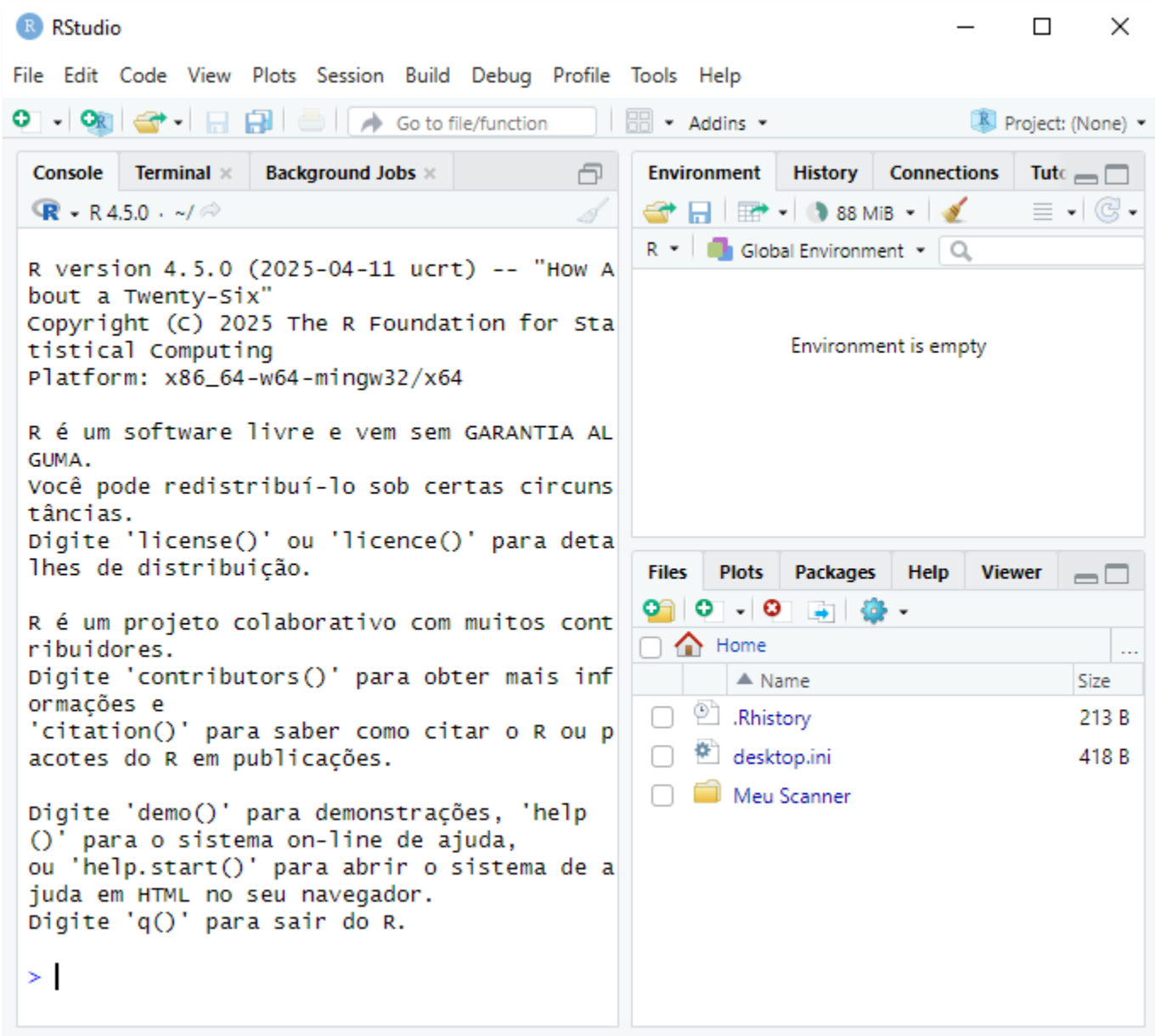


Instalação
do RStudio





IDE RStudio



Instalação do LaTeX



Marcus Nunes

Professor, Cientista de Dados e Especialista em R



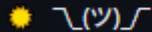


Sign in



Marcus Nunes

mnunes



Professor, researcher, and data scientist

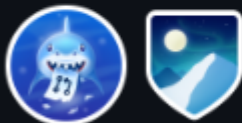
<https://marcusnunes.me/>

<https://bsky.app/profile/grandeabobora.bsky.social>

191 followers · 33 following

Follow

Achievements



Block or Report

2

Overview

Repositories 88

Projects

Packages

Stars 109

Overview

Repositories 88

Projects

Packages

Stars 109

3

modelo

Type ▾

Language ▾

Sort ▾

2 results for repositories matching **modelo** sorted by last updated

✕ Clear filter

4

modeloLEA Public

Modelo de relatório de consultoria para o Laboratório de Estatística Aplicada da UFRN

● TeX ☆ 5 🍴 3 Updated on Oct 17, 2023

emr-2021 Public

Material do minicurso de introdução ao tidymodels, ministrado na XVII Escola de Modelos de Regressão

● R ☆ 2 🍴 2 Updated on Dec 2, 2021

Requisitos do Sistema

Para rodar os exemplos disponíveis neste repositório, é necessário instalar os seguintes programas em seu computador:

- R (versão 3.6.1 ou superior) - [link](#)
- RStudio (versão 1.2.1335 ou superior) - [link](#)
- Se o seu computador roda Windows, também é necessário instalar o programa RTools (versão 3.5 ou superior) - [link](#)
- LaTeX (o MikTeX, versão 2.9 ou superior, versão completa, é o mais usado no Windows. Entretanto, veja abaixo, na Seção *Instalação do LaTeX*, como fazer para instalar uma versão mais simples do LaTeX, a partir do próprio R)

É possível que o pacote funcione em outras configurações de software, mas ele foi testado apenas nestas.

Reserve um tempo especial para realizar o procedimento abaixo, pois ele pode demora em torno de 10 minutos para finalizar. Além disso, a compilação do primeiro relatório pode levar até 20 minutos, devido aos pacotes extras do LaTeX que serão baixados automaticamente.



Download do RTools

RTools: Toolchains for building R and R packages from source on Windows

Choose your version of Rtools:

- [RTools 4.5](#) for R versions from 4.5.0 (R-prerelease and R-devel)
- [RTools 4.4](#) for R versions 4.4.x (R-release)
- [RTools 4.3](#) for R versions 4.3.x (R-oldrelease)
- [RTools 4.2](#) for R versions 4.2.x
- [RTools 4.0](#) for R from version 4.0.0 to 4.1.3
- [old versions of RTools](#) for R versions prior to 4.0.0



1

<https://cran.r-project.org/bin/windows/Rtools/>

Rtools45 for Windows

Rtools is a toolchain bundle used for building R packages from source (those that need compilation of C/C++ or Fortran code) and for building R itself. Rtools45 is currently used for R 4.5 and R-devel, the development version of R, to become R 4.6.0.

Rtools45 consists of Msys2 build tools, GCC 14/MinGW-w64 compiler toolchain, libraries built using the toolchain, and QPDF. Rtools45 supports 64-bit Windows and UCRT as the C runtime.

Compared to Rtools44, Rtools45 for 64-bit Intel machines has newer versions of two core components: GCC and binutils. It is recommended to re-compile all code with the new toolchain to avoid problems.

Rtools45 is also available for 64-bit ARM machines (aarch64): it includes Msys2 build tools (64-bit Intel builds running via emulation) and aarch64 builds of LLVM 19/MinGW-w64 compiler toolchain, libraries built using the toolchain, and again QPDF. The 64-bit ARM version of Rtools45 is experimental: a number of CRAN packages don't work with it and the Fortran compiler (flang-new) is not yet able to compile Fortran code of all CRAN packages. A number of CRAN packages don't work because they require not-yet-available 64-bit ARM versions of external software.

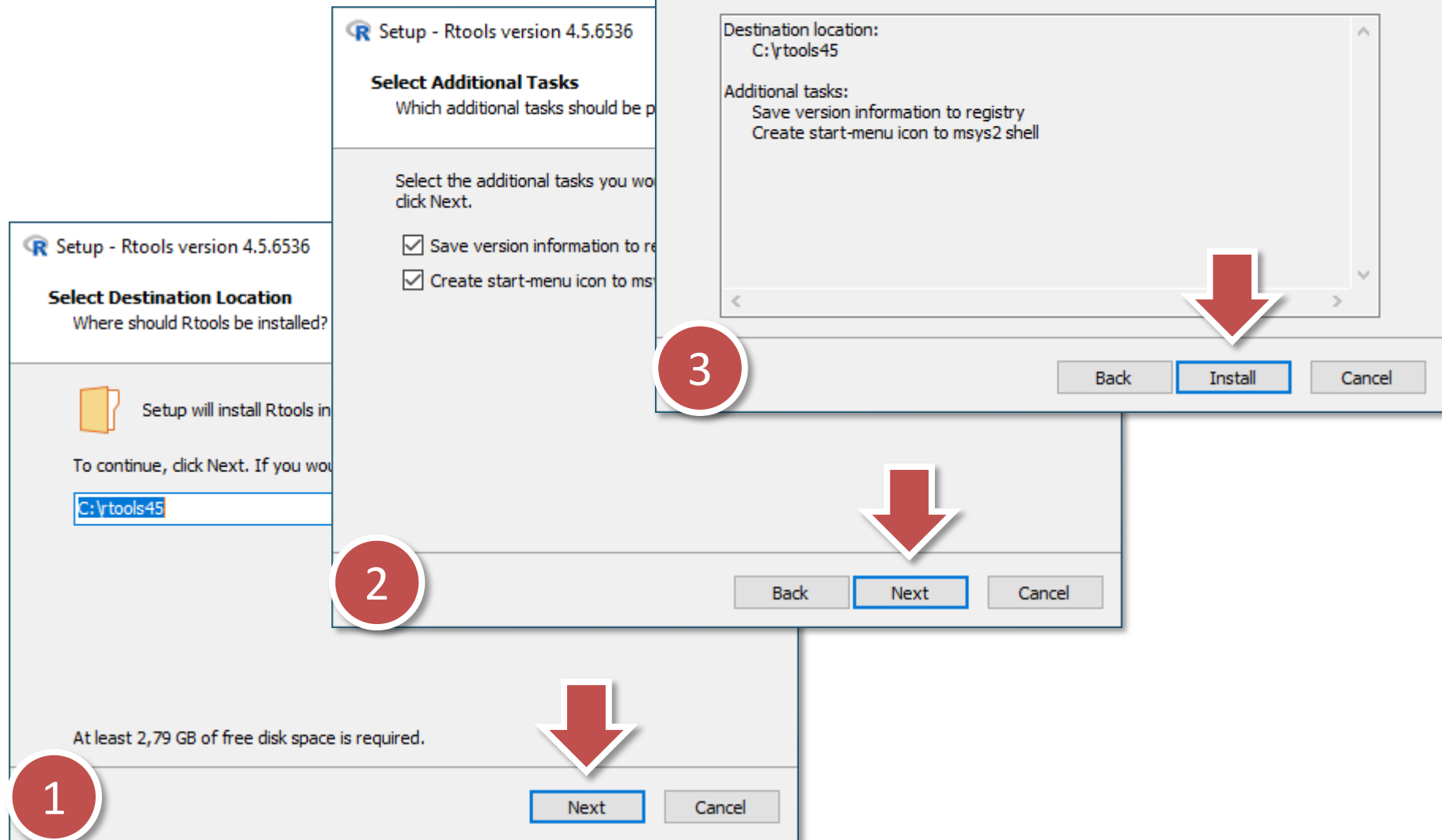
Installing Rtools45

Rtools is only needed for installation of R packages from source (those that need compilation of C/C++ or Fortran code) or building R from source. R can be installed from the R binary installer and by default will install binary versions of CRAN packages, which does not require Rtools45.

Moreover, online build services are available to check and build R packages for Windows, for which again one does not need to install Rtools45 locally. The [Winbuilder](#) check service uses identical setup as the CRAN incoming packages checks, so already all CRAN and Bioconductor packages pre-installed.

Rtools45 may be installed from the [Rtools45 installer](#) or [64-bit ARM Rtools45 installer](#). It is recommended to use the defaults, including the default installation location of C:\rtools45.

Instalação do RTools



Instalação dos Pacotes do R

Alguns usuários já reportaram problemas na instalação de algumas dependências do pacote `modeloLEA`. Por isso, antes de começar a instalação do pacote, rode o comando

```
options(repos=c(CRAN="http://cran.rstudio.com"))
```

dentro do RStudio. Isto vai configurar outro servidor do CRAN como o fornecedor de pacotes para a sua instalação. Como o servidor do RStudio está baseado em um serviço na nuvem, a probabilidade dele estar fora do ar é mais baixa do que a de outros servidores, embora, teoricamente, ele seja um pouco mais lento para quem mora no Brasil.

Após configurar o servidor do qual os pacotes serão baixados, rode o comando

```
install.packages("devtools")
```

para instalar o pacote `devtools`, responsável pela instalação do pacote `modeloLEA`.

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Instalação do LaTeX

Em vez de instalar o MikTeX em seu computador, sugiro que o [TinyTeX](#) seja instalado. Ele possui uma série de vantagens:

- É mais leve do que o MikTeX
- É baseado no Tex Live, versão do LaTeX que pessoalmente utilizo há mais de 10 anos
- Pode ser instalado de dentro do R
- Foi desenvolvido pelo criador do `knitr`, o pacote do R utilizado para criar os documentos de forma dinâmica
- Funciona em todas as plataformas (Windows, Linux, macOS)
- A manutenção é mais simples

A instalação do TinyTeX é simples. Se o pacote `devtools` estiver instalado em seu computador, rode os comandos

```
library(devtools)
install_github(c("yihui/tinytex", "rstudio/rmarkdown"))
tinytex::install_tinytex(force = TRUE)
```



8

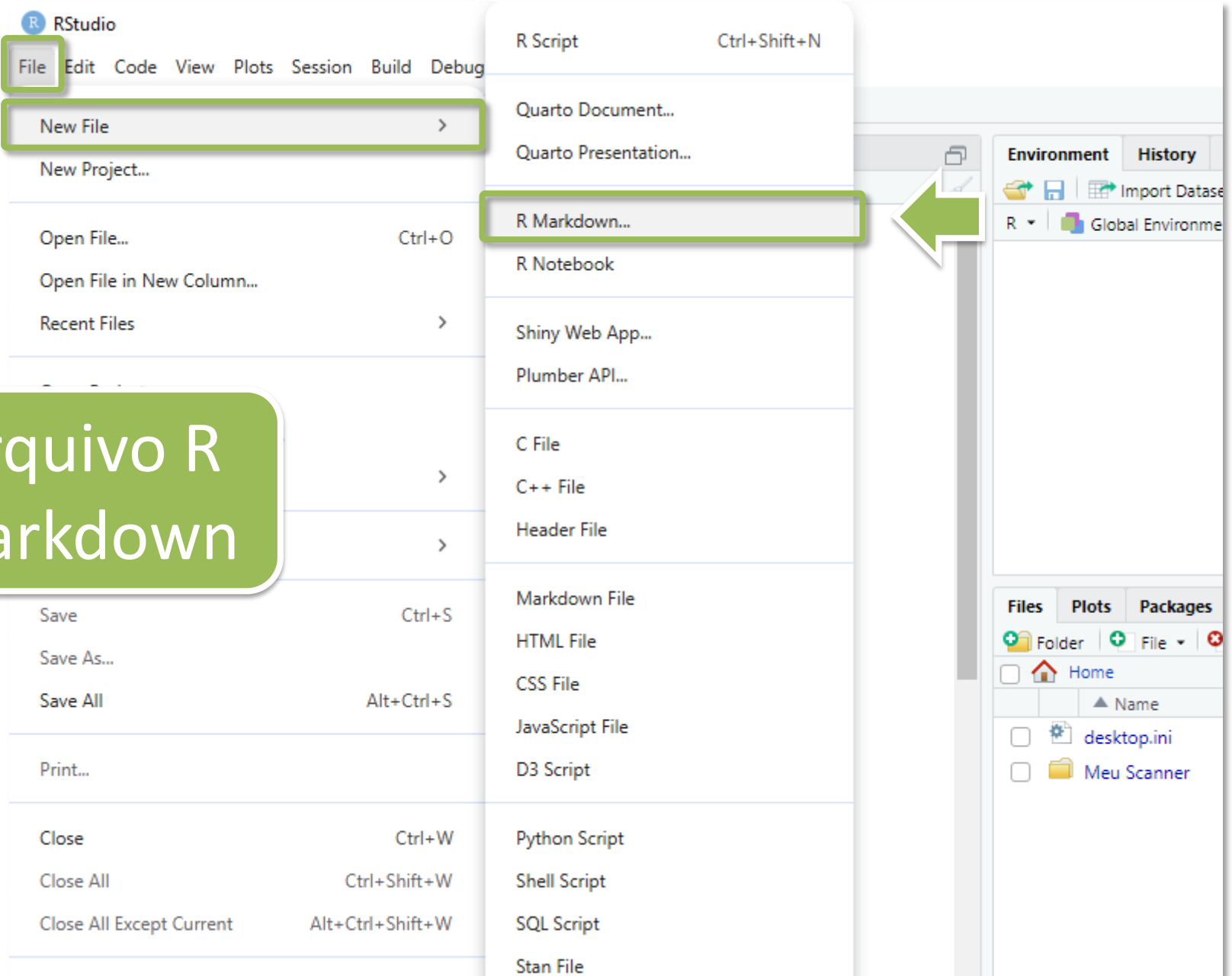
Vão aparecer um aviso e duas mensagens de erro durante a execução do segundo comando. Ignore-as dando OK no prompt que aparecer e pronto. Após os procedimentos necessários, seu computador vai estar com o LaTeX instalado.

Feche e abra o RStudio antes de compilar o relatório pela primeira vez. Ao reabrir o RStudio, rode o comando `tinytex::is_tinytex()`. Se a resposta for `TRUE`, então o TinyTex foi instalado corretamente.





Arquivo R Markdown



Install Required Packages



Creating R Markdown documents requires updated versions of the following packages:
magrittr, stringi, stringr.

Do you want to install these packages now?



Sim

Não

2

New R Markdown

Document

Presentation

Shiny

From Template

Title:

Untitled

Author:

Date:

2025-05-18

☐ Use current date when rendering document

Default Output Format:

☒ HTML

Recommended format for authoring (you can switch to PDF or Word output anytime).

☐ PDF

PDF output requires TeX (MiKTeX on Windows, MacTeX 2013+ on OS X, TeX Live 2013+ on Linux).

☐ Word

Previewing Word documents requires an installation of MS Word (or Libre/Open Office on Linux).



Create Empty Document

OK

Cancel

3