


Guia de Instalação do R e do RStudio

Instalando o R

- O R é um software livre desenvolvido para fazer estatísticas e gráficos.
- Site: <https://www.r-project.org/>



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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 4.1.0 (Camp Pontanezen)** has been released on 2021-05-18.
- **R version 4.0.5 (Shake and Throw)** was released on 2021-03-31.
- Thanks to the organisers of userR! 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

Installing R



The R Project for Statistical Computing

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News via Twitter

Instalando o R

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/>

Algeria

<https://cran.usthb.dz/>

Argentina

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

Australia

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

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

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

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

Austria

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

Belgium

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

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

Brazil

<https://nbcgib.uesc.br/mirror/cran/>

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

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

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

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

Automatic redirection to servers worldwide, currently sponsored by Restudio

University of Science and Technology Houari Boumediene

Universidad Nacional de La Plata

CSIRO

AARNET

School of Mathematics and Statistics, University of Melbourne

Curtin University

Wirtschaftsuniversität Wien

Patrick Wessa

Belnet, the Belgian research and education network

Computational Biology Center at Universidade Estadual de Santa Cruz

Universidade Federal do Paraná

Oswaldo Cruz Foundation, Rio de Janeiro

University of Sao Paulo, Sao Paulo

University of Sao Paulo, Piracicaba

Instalando o R

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 (2021-05-18, Camp Pontanezen) [R-4.1.0.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.

Instalando o R

Subdirectorio

[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 >= 2.13.x; managed by Uwe Ligges). There is also information on [third party software](#) available for CRAN Windows services and corresponding environment and make variables.

[old contrib](#)

Binaries of contributed CRAN packages for outdated versions of R (for R < 2.13.x; managed by Uwe Ligges).

[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.

Installing R

R-4.1.0 for Windows (32/64 bit)

[Download R 4.1.0 for Windows](#) (86 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 matches the package distributed by CRAN, you can compare the [md5sum](#) of the .exe to the [fingerprint](#) on the master server. 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?](#)

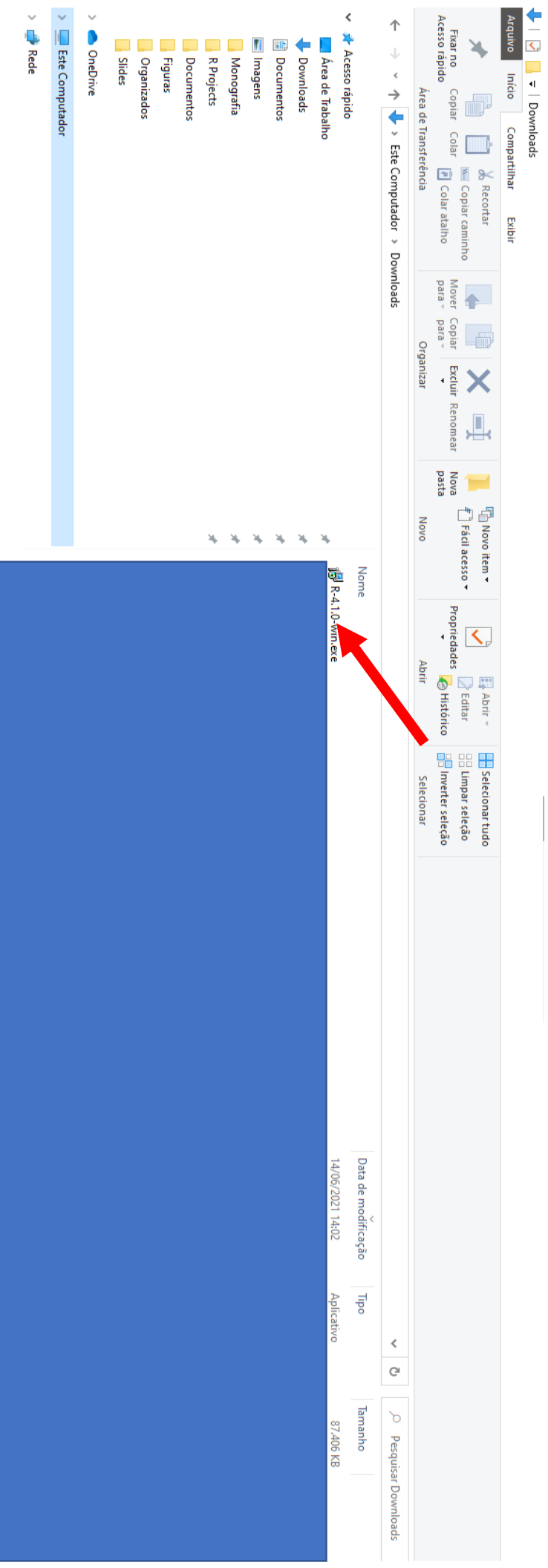
Please see the [R FAQ](#) for general information about R and the [R Windows FAQ](#) for Windows-specific information.

Other builds

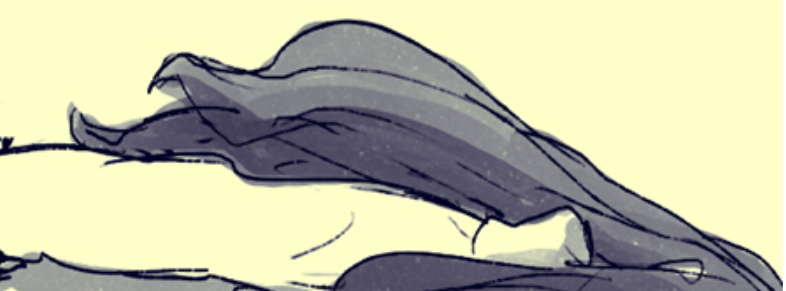
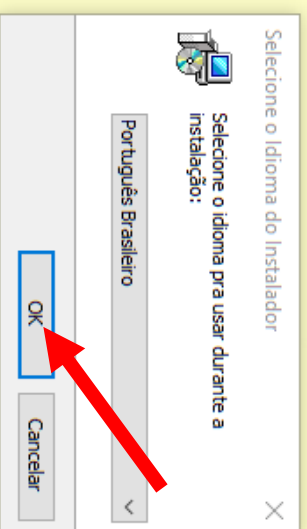
- Patches to this release are incorporated in the [r-patched snapshot build](#).
- A build of the development version (which will eventually become the next major release of R) is available in the [r-devel snapshot build](#).
- [Previous releases](#)

Note to webmasters: A stable link which will redirect to the current Windows binary release is CRAN.MIRROR>bin/windows/base/release.html.

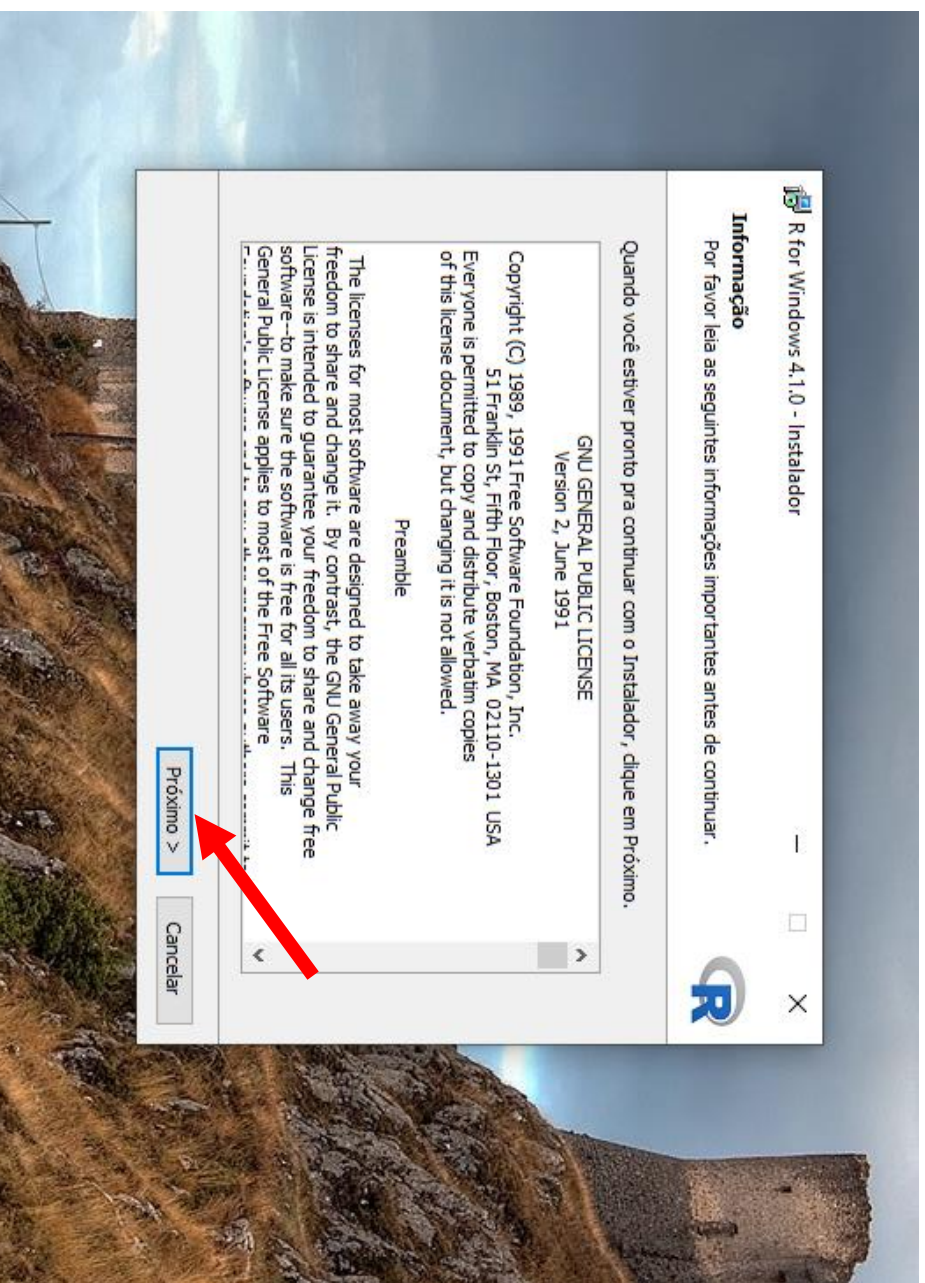
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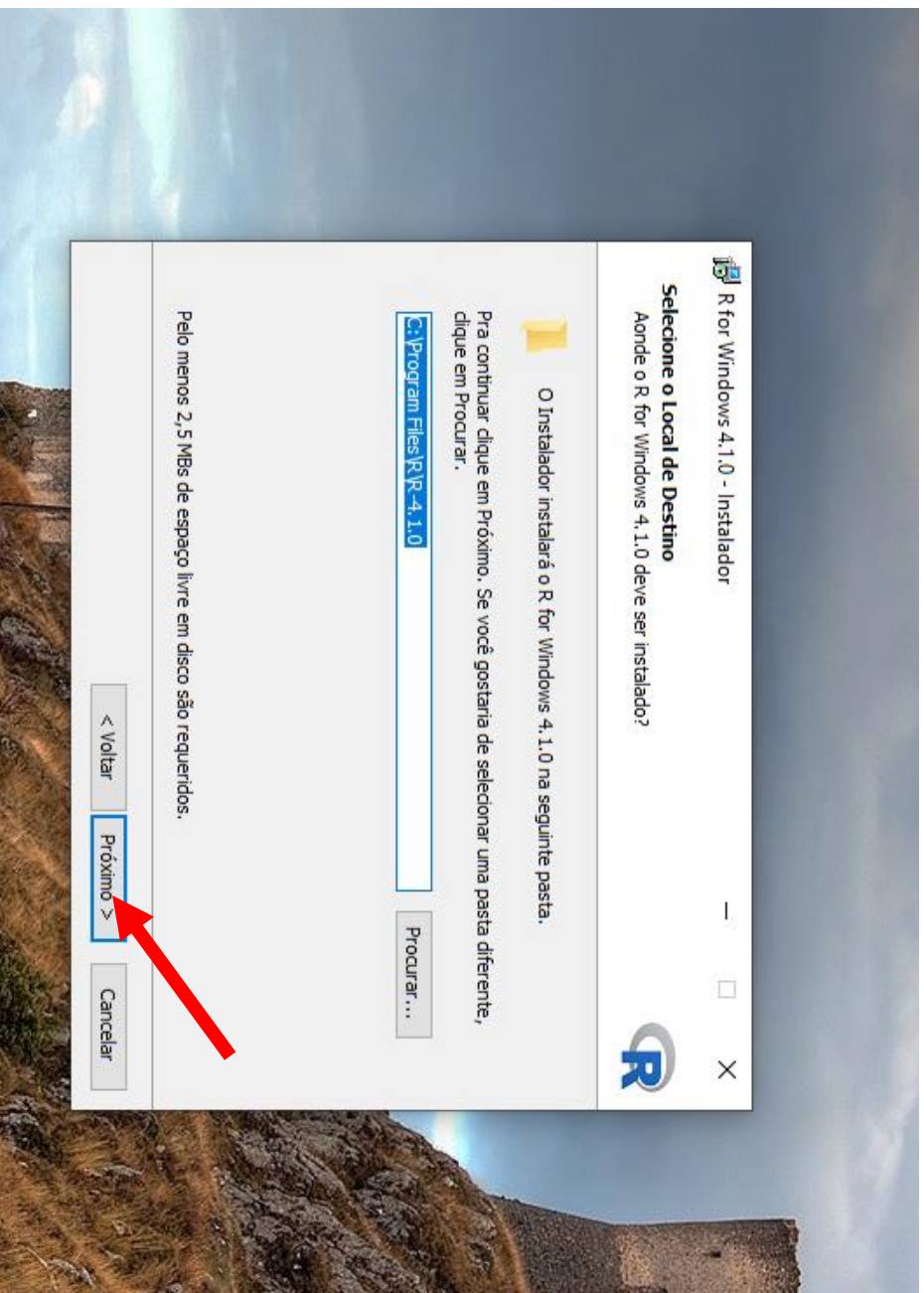
Instalando o R



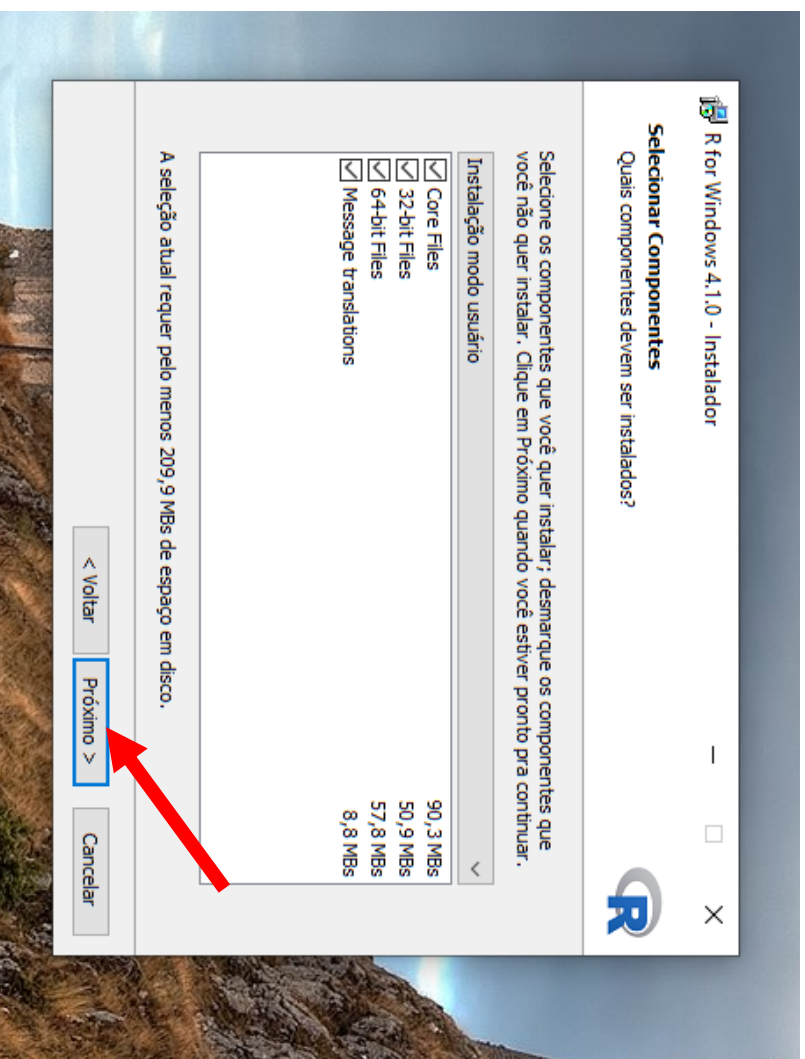
Instalando o R



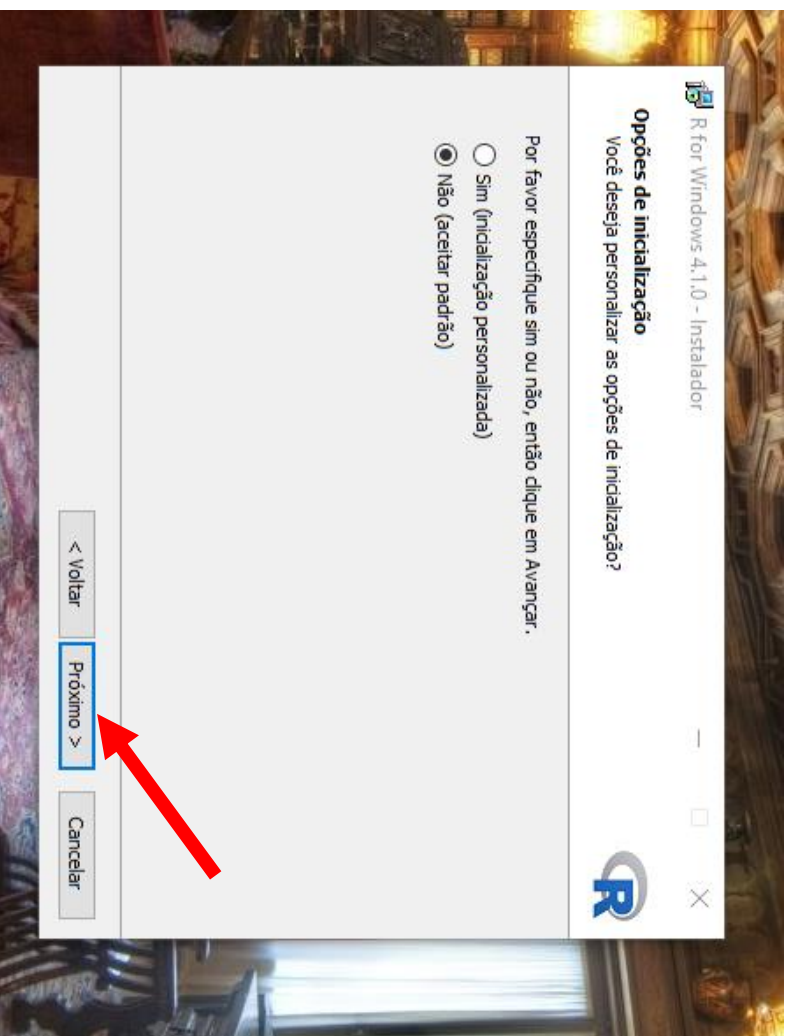
Instalando o R



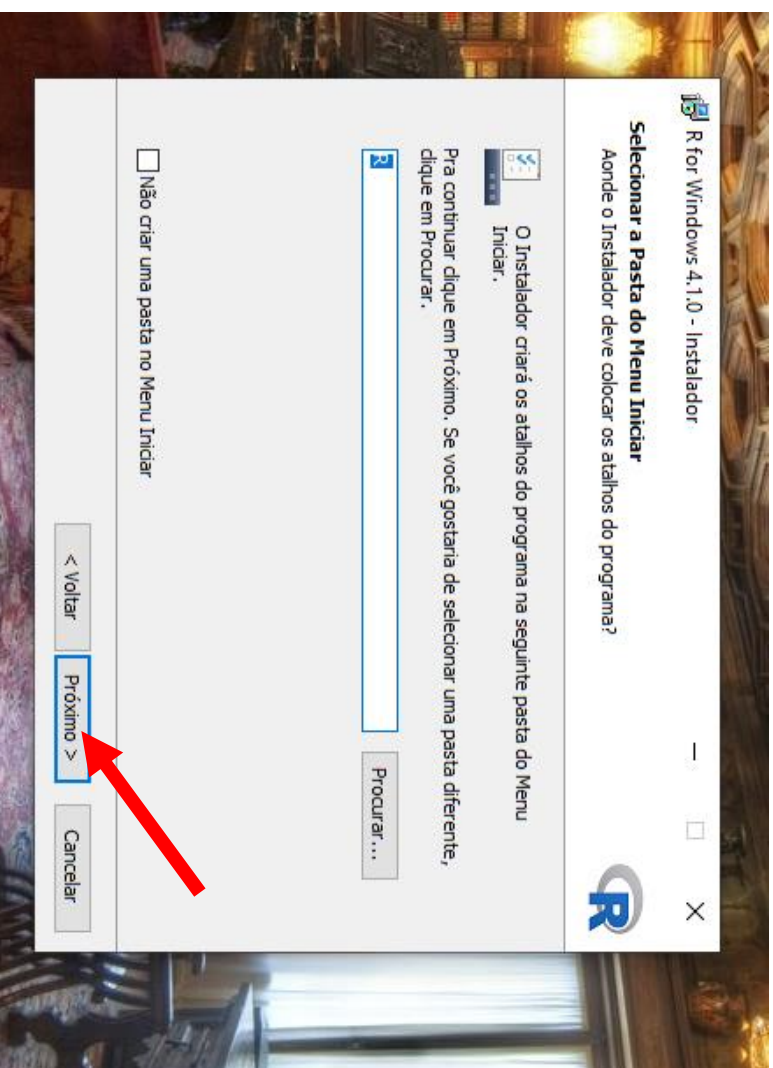
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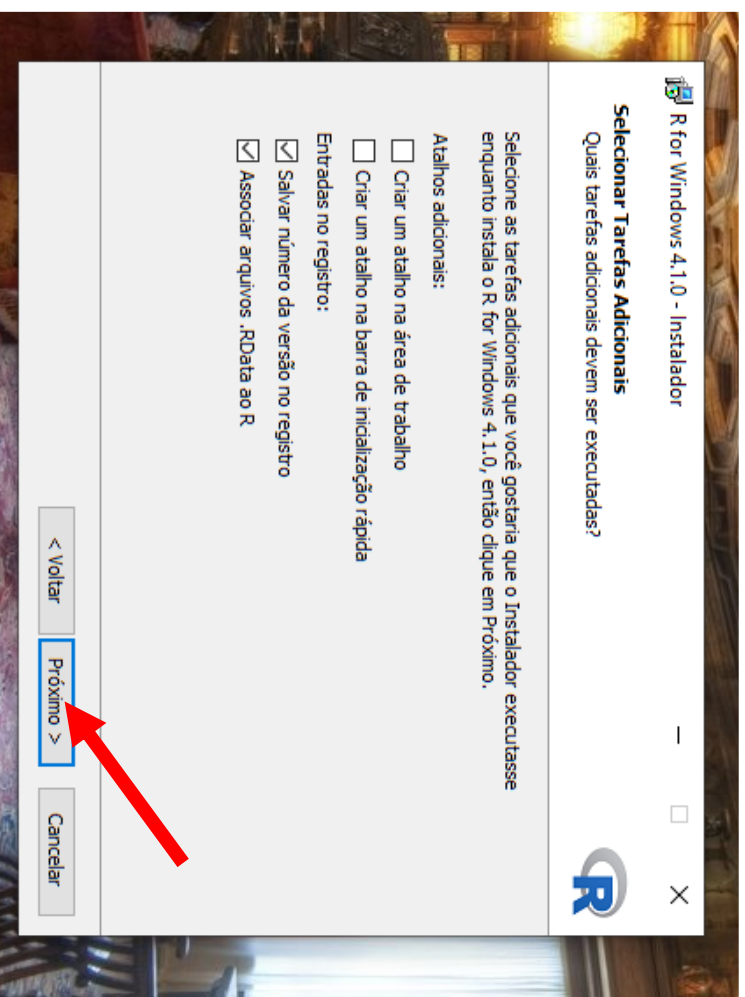
Instalando o R



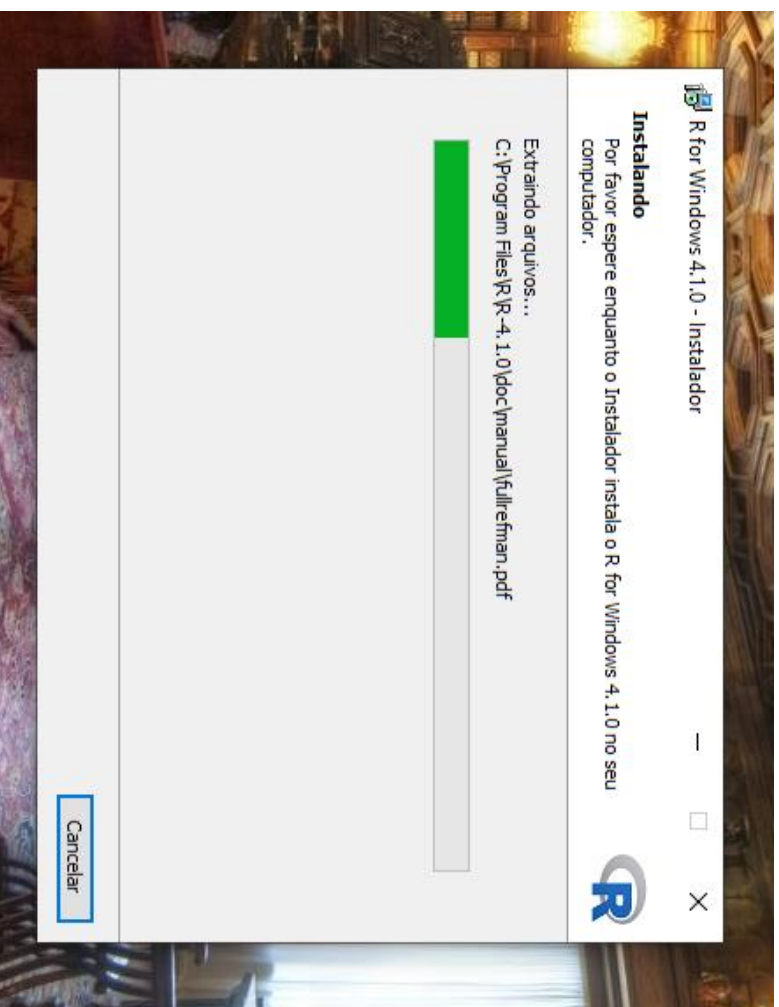
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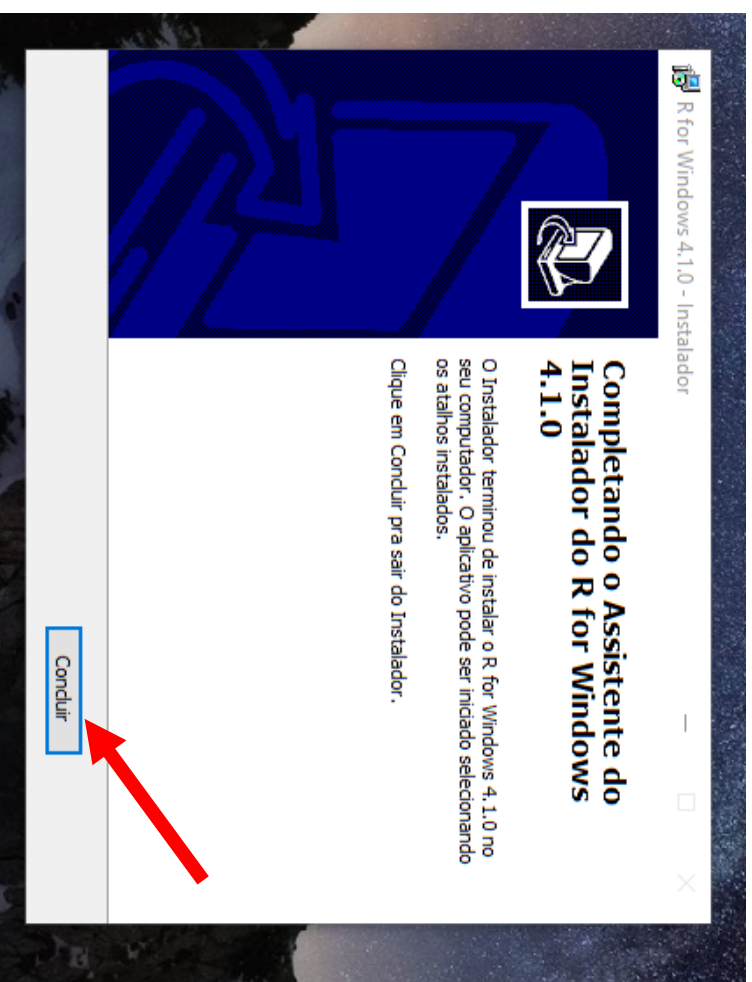
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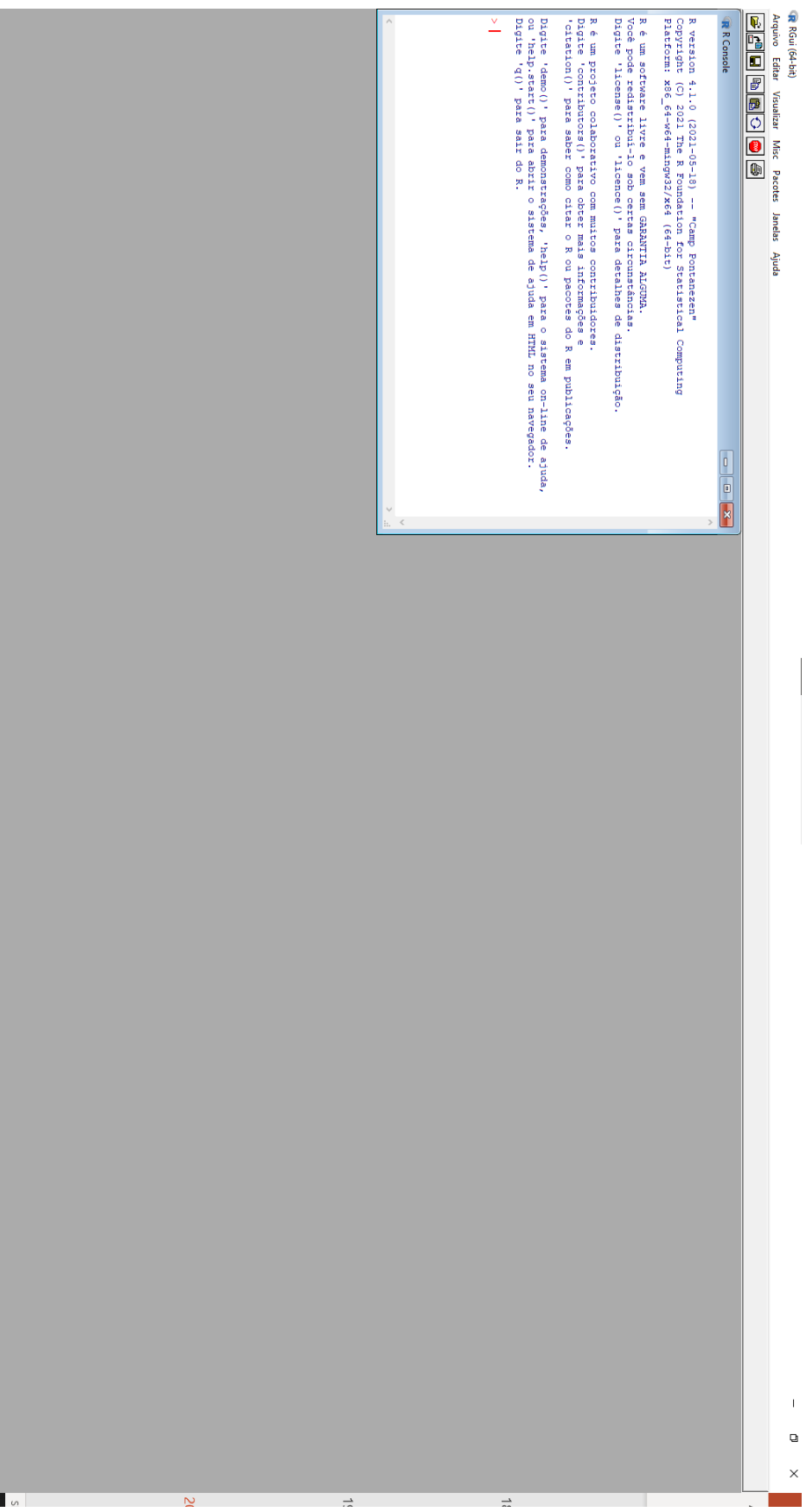
Instalando o R



Abrindo o R



Abriendo o R

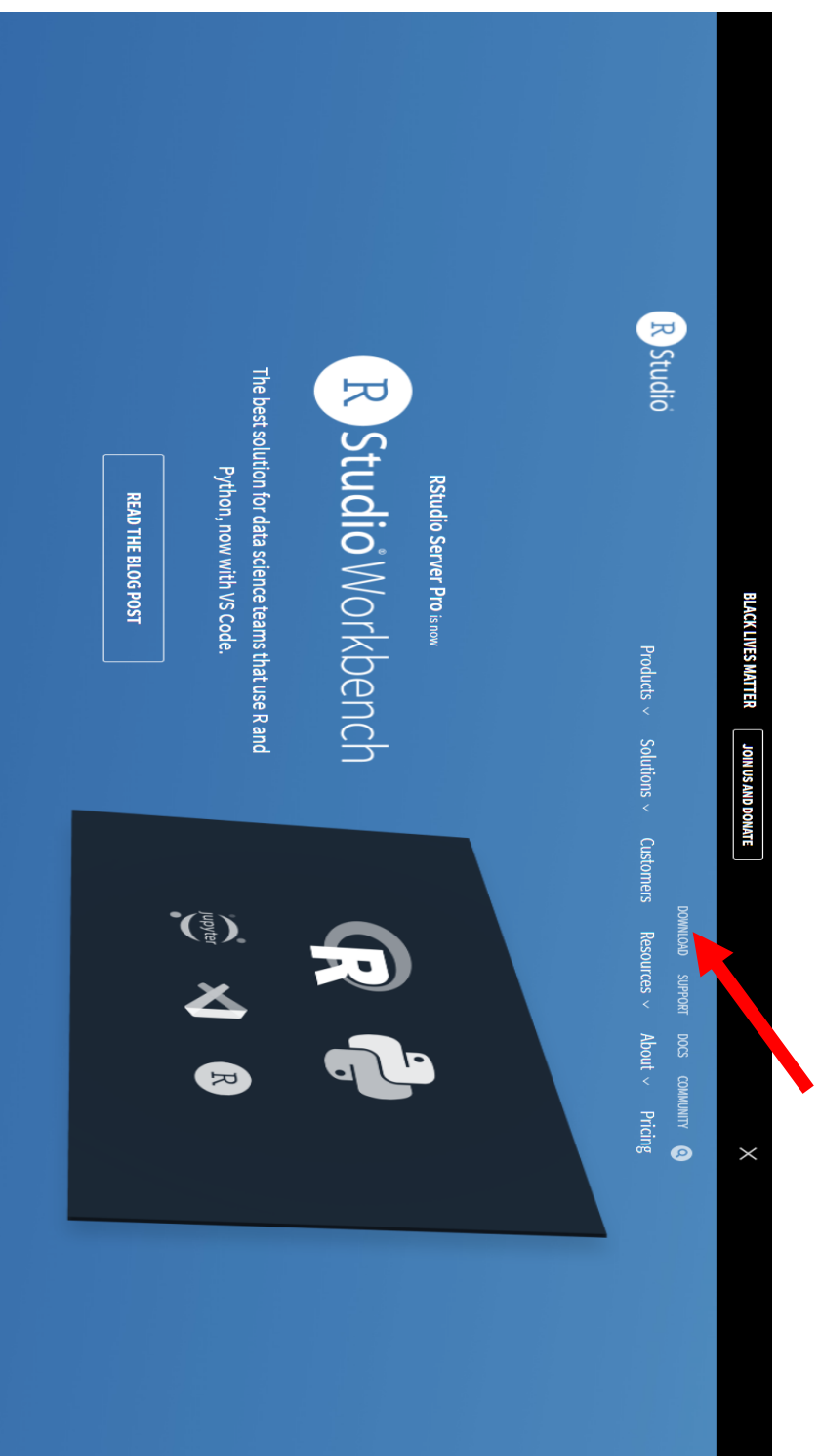


Instalando o RStudio (Primeiro Instalar o R)

- O RStudio é um software que melhora a interface do R. Claro que ele não faz somente isso mas para o nosso propósito é o suficiente.
- Site: <https://www.rstudio.com/>



Instalando o RStudio



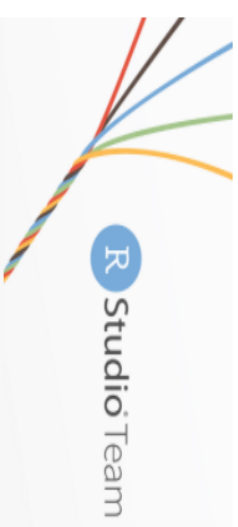
Installing RStudio

Choose Your Version

The RStudio IDE is a set of integrated tools designed to help you be more productive with R and Python. It includes a console, syntax-highlighting editor that supports direct code execution, and a variety of robust tools for plotting, viewing history, debugging and managing your workspace.

[LEARN MORE ABOUT THE RSTUDIO IDE](#)

RStudio Desktop	RStudio Desktop Pro	RStudio Server	RStudio Workbench
Open Source License	Commercial License	Open Source License	Commercial License
Free	\$995 /year	Free	\$4,975 /year (5 Named Users)
DOWNLOAD	BUY	DOWNLOAD	BUY



RStudio's recommended professional data science solution for every team. RStudio Team is a bundle of RStudio's popular professional software for data analysis, package management, and sharing data products.

[Learn more about RStudio Team](#)

Instalando o RStudio

RStudio Desktop 1.4.1717 - Release Notes

1. Install R. RStudio requires R 3.0.1+.
2. Download RStudio Desktop. Recommended for your system:



Requires Windows 10 (64-bit)

All Installers

Linux users may need to import RStudio's public code-signing key prior to installation, depending on the operating system's security policy. RStudio requires a 64-bit operating system. If you are on a 32 bit system, you can use an older version of RStudio.



Installing RStudio

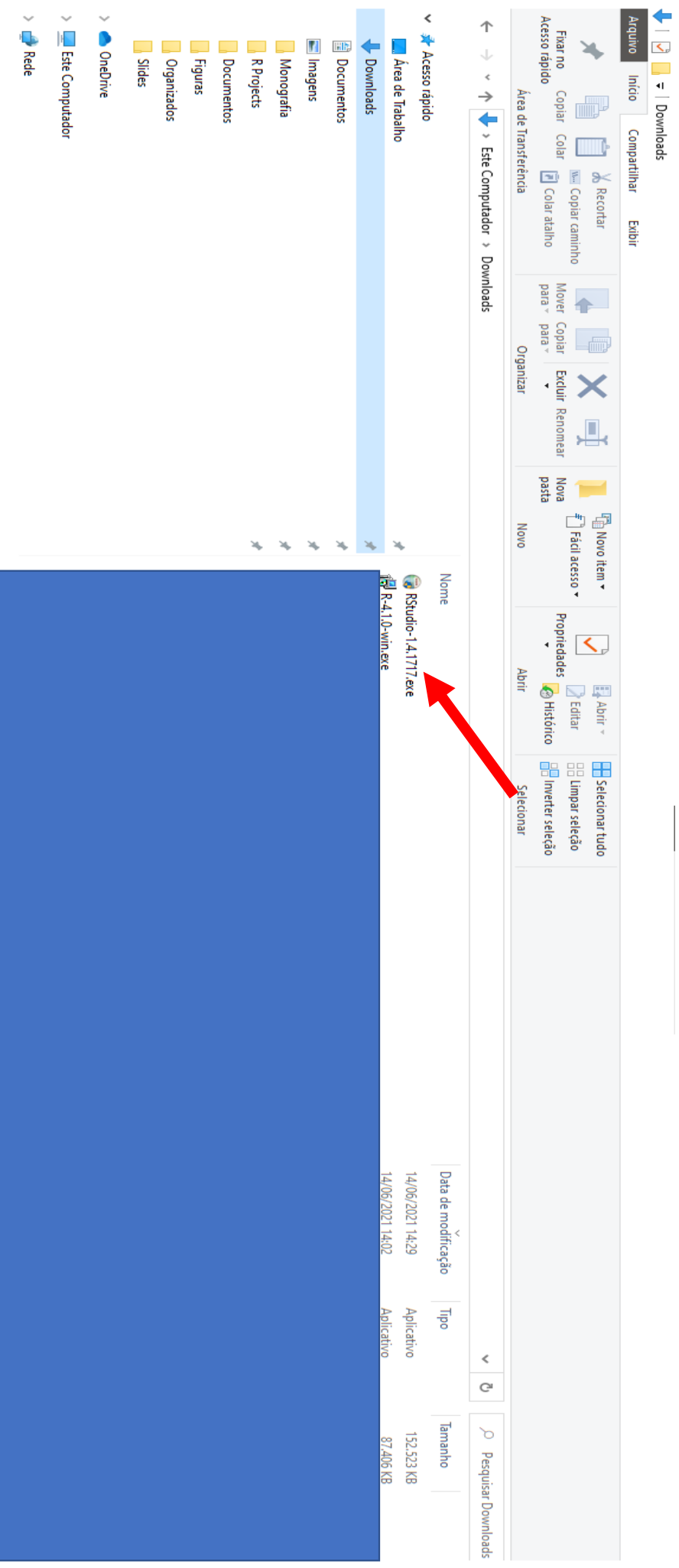
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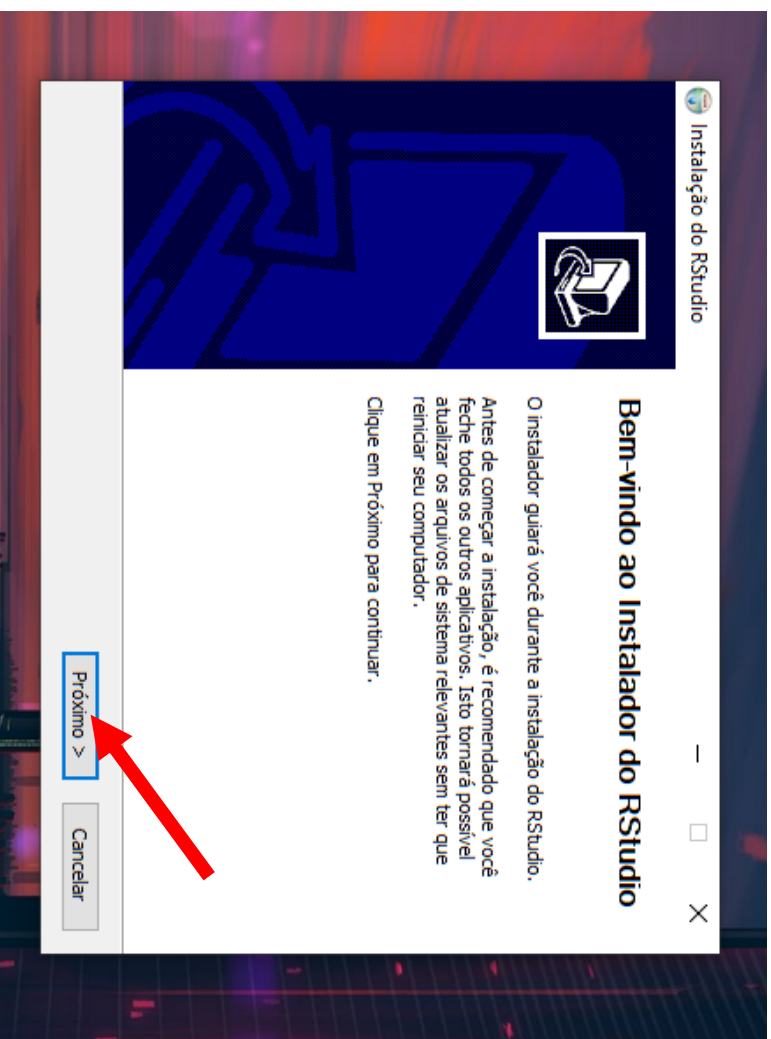
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OS	Download	Size	SHA-256
Windows 10	RStudio-1.4.1717.exe	156.18 MB	71b336e64
macOS 10.14+	RStudio-1.4.1717.dmg	203.06 MB	2cf72549d
Ubuntu 16/Debian 10	rstudio-1.4.1717-amd64.deb	122.51 MB	e27b2645
Fedora 19/Red Hat 7	rstudio-1.4.1717-x86_64.rpm	138.42 MB	648e2be0
Fedora 28/Red Hat 8	rstudio-1.4.1717-x86_64.rpm	138.39 MB	c76f620a
Debian 9	rstudio-1.4.1717-amd64.deb	123.29 MB	e4ea3ae0
OpenSUSE 15	rstudio-1.4.1717-x86_64.rpm	123.15 MB	e69d55db

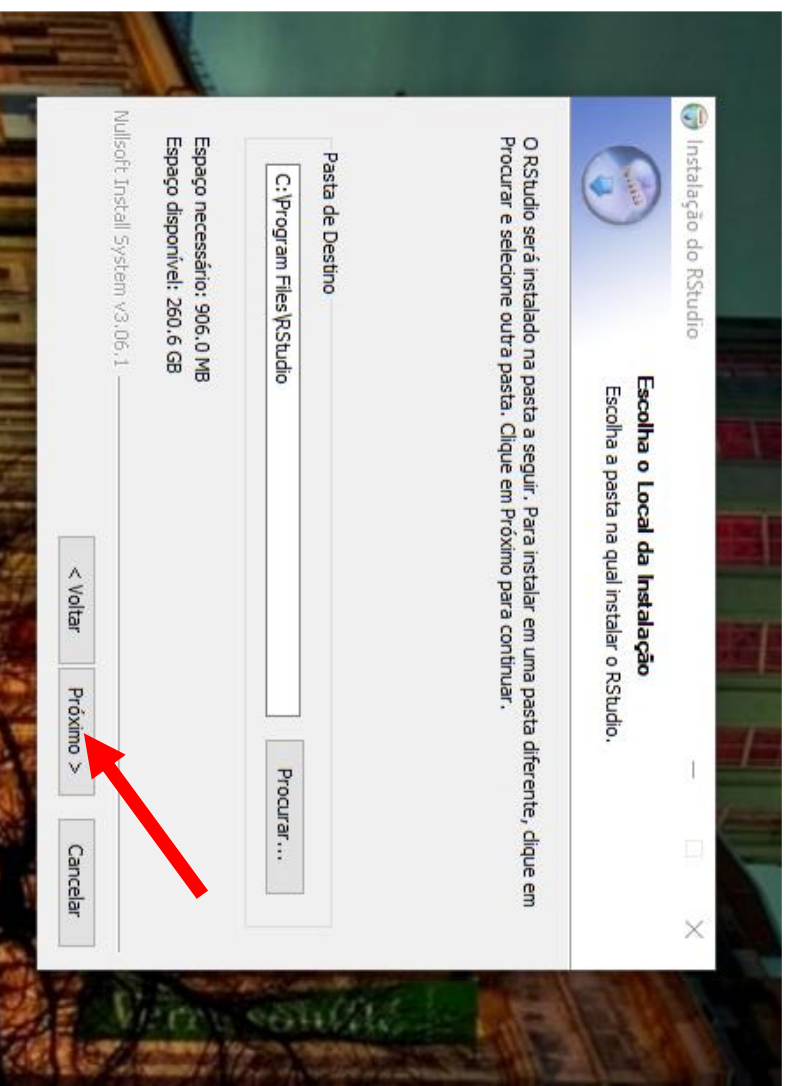
Instalando o RStudio



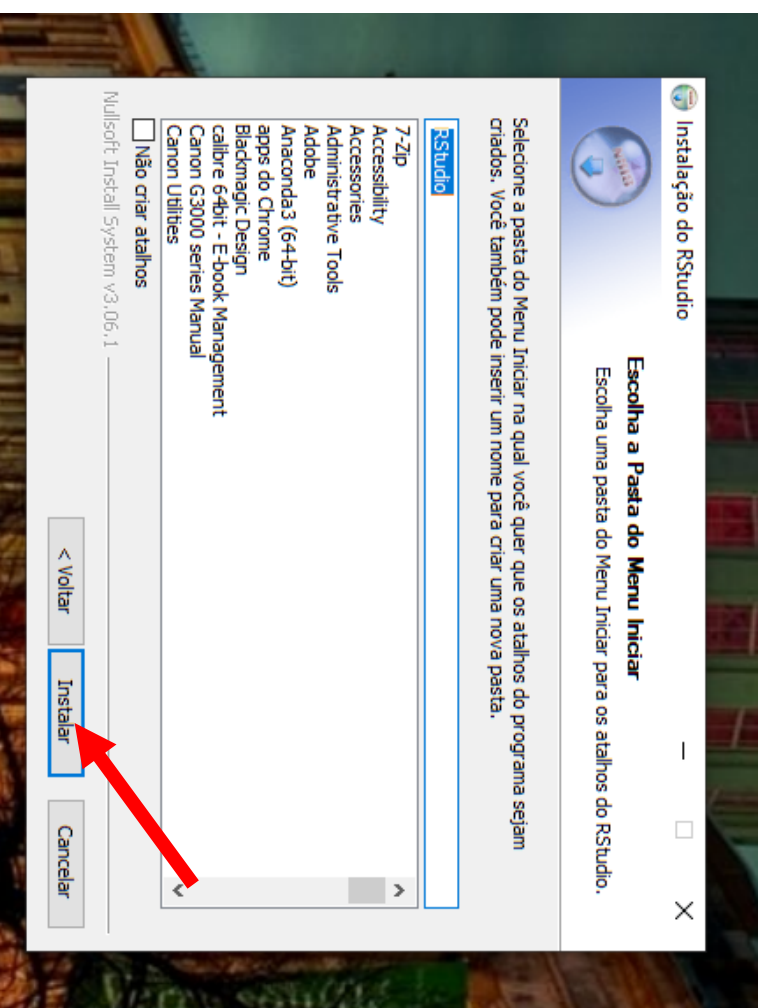
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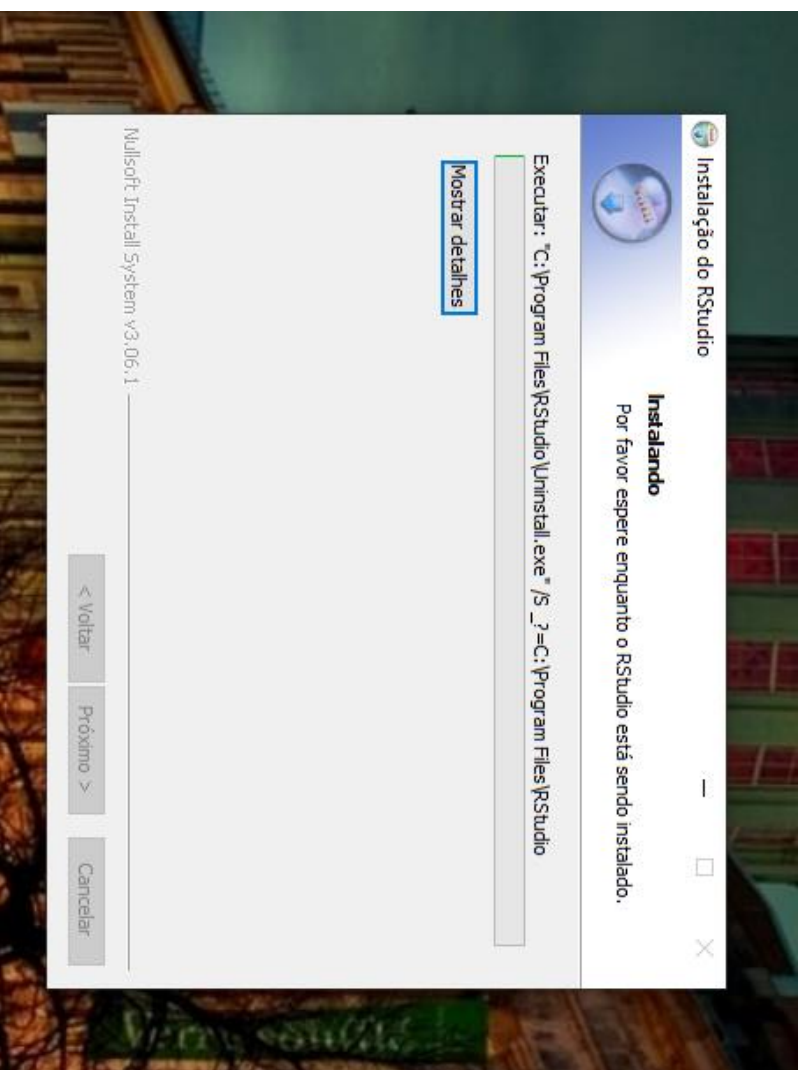
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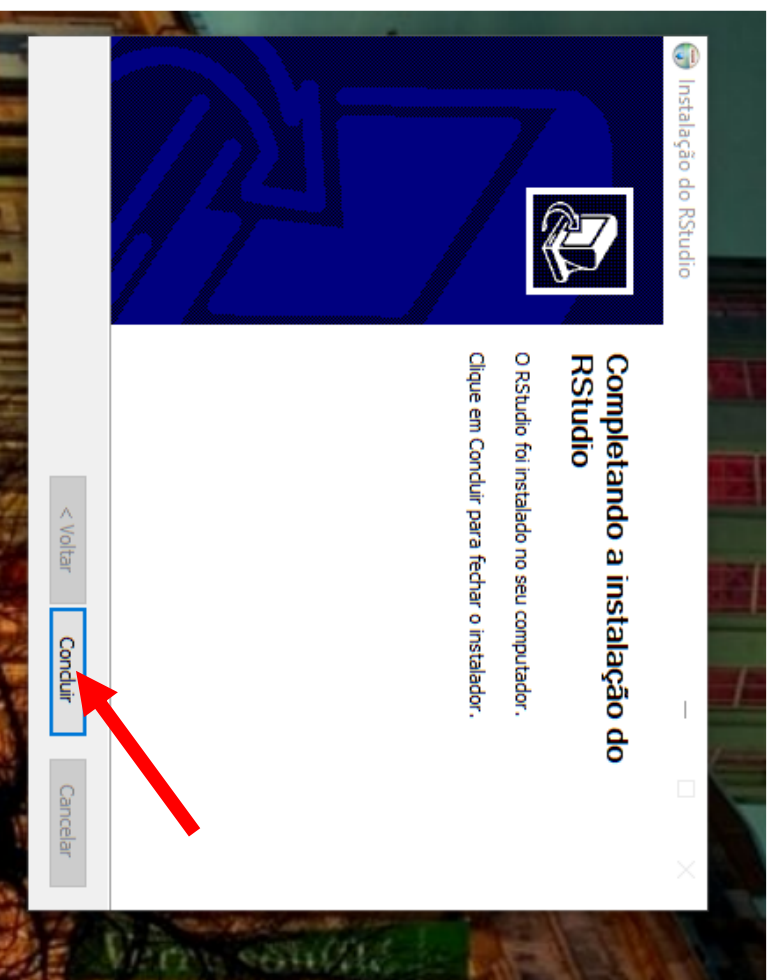
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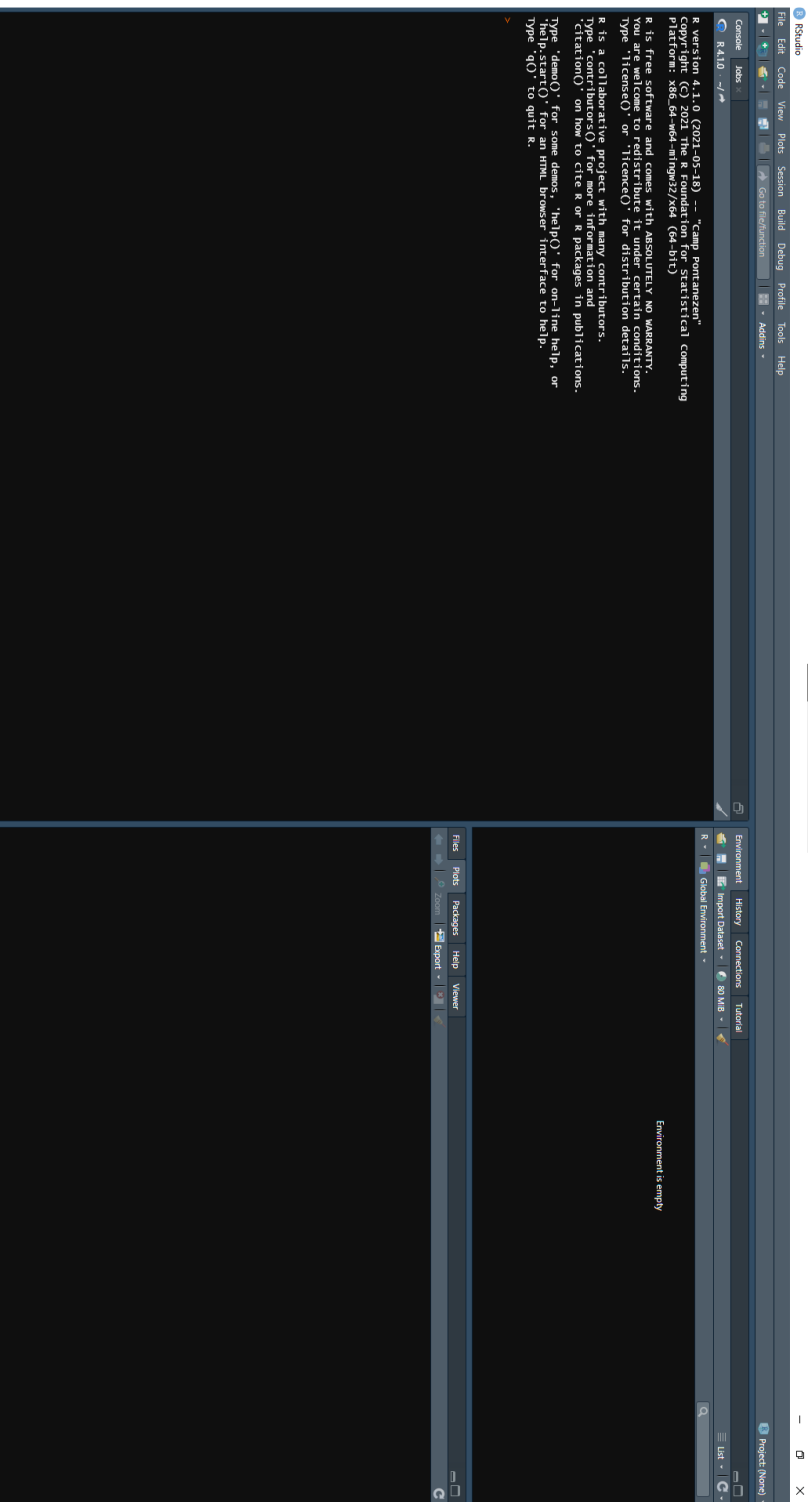
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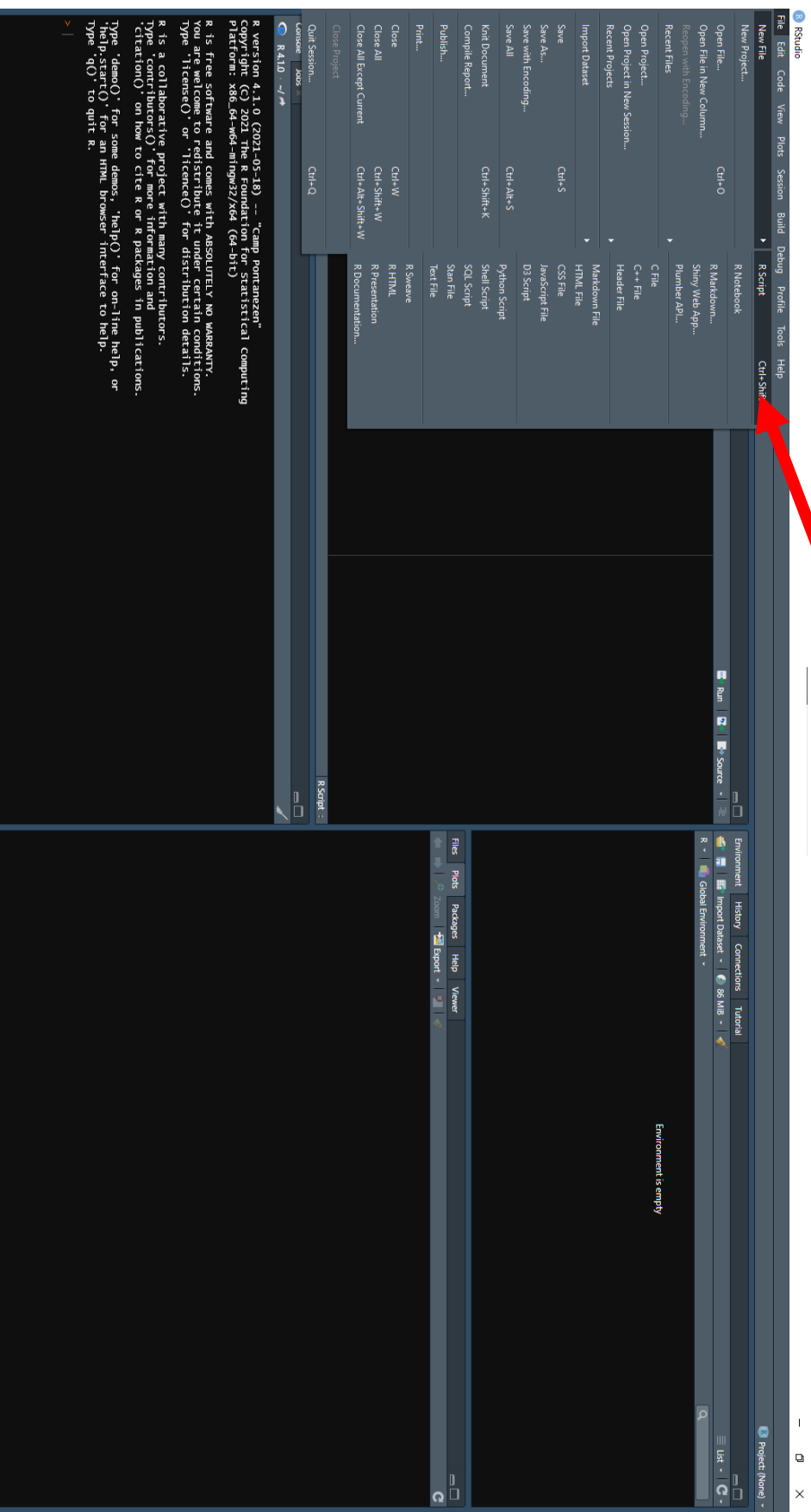
Abriendo o RStudio



Abrindo o RStudio



Criando um arquivo de script



Criando um arquivo de script

