

# XV Semana Nacional de Ciência e Tecnologia de Itacoatiara - XV SNCT-ITA

## Baixando e instalando o R

Prof. Dr. Ricardo Perdiz (Luz da Floresta)



# Baixando o R

Visite o link <https://www.r-project.org>

The screenshot shows a web browser window with the URL [r-project.org](https://www.r-project.org) in the address bar. The page content is as follows:

**The R Project for Statistical Computing**

[\[Home\]](#)

**Download**

[CRAN](#)

**R Project**

[About R](#)  
[Contributors](#)  
[What's New?](#)  
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**R Foundation**

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**Documentation**

[Manuals](#)  
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**Links**

R is a free software environment for statistical computing and graphics. It compiles and runs on a wide variety of UNIX platforms, Windows and Mac OS. 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 3.2.2 \(Fire Safety\)](#) has been released on 2015-08-14.
- [The R Journal Volume 7/1](#) is available.
- [R version 3.1.3 \(Smooth Sidewalk\)](#) has been released on 2015-03-09.
- [useR! 2015](#), will take place at the University of Aalborg, Denmark, June 30 - July 3, 2015.
- [useR! 2014](#), took place at the University of California, Los Angeles, USA June 30 - July 3, 2014.

# Baixando o R

Selecione o **CRAN** (Comprehensive R Archive Network)

The screenshot shows a web browser window with the URL [r-project.org](http://r-project.org) in the address bar. The page content is the "Getting Started" section of the R Project website. On the left, there is a sidebar with various links. One of these links, "CRAN", is highlighted with a red box and a red arrow pointing towards it from the left side of the screen.

**The R Project for Statistical Computing**

## Getting Started

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**R Project**

- [Home]
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**Documentation**

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- [Other](#)

**Links**

# Baixando o R

Selecione um dos **ESPELHOS** no Brasil (=Mirror)  
UESC ou UFPR, por exemplo

## 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](#).

### 0-Cloud

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

### Algeria

- <http://cran.usthb.dz/>

### Argentina

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

### Australia

- <http://cran.csiro.au/>
- <http://cran.ms.unimelb.edu.au/>

### Austria

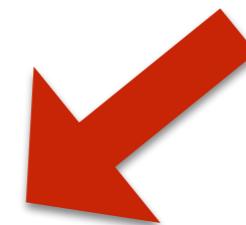
- <https://cran.r-project.org/>
- <http://cran.at.r-project.org/>

### Belgium

- <http://www.freestatistics.org/cran/>
- <http://lib.ugent.be/CRAN/>

### Brazil

- <http://nbcgib.uesc.br/mirrors/cran/>
- <http://cran-r.c3sl.ufpr.br/>
- <http://cran.fiocruz.br/>
- <http://www.vps.fmvz.usp.br/CRAN/>
- <http://brieger.esalq.usp.br/CRAN/>



### Canada

- <http://cran.stat.sfu.ca/>
- <http://mirror.its.dal.ca/cran/>
- <http://cran.utstat.utoronto.ca/>

### Chile

- <https://dirichlet.mat.puc.cl/>
- <http://dirichlet.mat.puc.cl/>

### China

- Rstudio, automatic redirection to servers worldwide
- Rstudio, automatic redirection to servers worldwide
- University of Science and Technology Houari Boumediene
- Universidad Nacional de La Plata
- CSIRO
- University of Melbourne
- Wirtschaftsuniversität Wien
- Wirtschaftsuniversität Wien
- K.U.Leuven Association
- Ghent University Library
- Center for Comp. Biol. at Universidade Estadual de Santa Cruz
- Universidade Federal do Paraná
- Oswaldo Cruz Foundation, Rio de Janeiro
- University of São Paulo, São Paulo
- University of São Paulo, Piracicaba

- Simon Fraser University, Burnaby
- Dalhousie University, Halifax
- University of Toronto

- Pontificia Universidad Católica de Chile, Santiago
- Pontificia Universidad Católica de Chile, Santiago

# Baixando o R

Baixe a versão para o seu **sistema operacional (SO)**  
**SO** pode ser **Linux (Unix)**, **Mac OS X** ou **Windows**



[CRAN](#)  
[Mirrors](#)  
[What's new?](#)  
[Task Views](#)  
[Search](#)

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[Contributed](#)

**The Comprehensive R Archive Network**

**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](#)
- [Download R for \(Mac\) OS X](#)
- [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 (2015-08-14, Fire Safety) [R-3.2.2.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.

# Baixando o R

- Para usuários do **SO Windows**

Baixe o binário '**base**'

Após baixar, dê dois cliques no programa de instalação (arquivo com extensão **.exe**)



[CRAN  
Mirrors](#)  
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Subdirectories:

[base](#)

[contrib](#)

[Rtools](#)

R for Windows

Binaries for base distribution (managed by Duncan Murdoch). This is what you want to [install R for the first time](#).

Binaries of contributed packages (managed by Uwe Ligges). There is also information on [third party software](#) available for CRAN Windows services and corresponding environment and make variables.

Tools to build R and R packages (managed by Duncan Murdoch). 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 Duncan Murdoch or 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.

# Baixando o R

## - Para usuários do **MAC OS X**

Baixe o binário mais recente. Após baixar, dê dois cliques no programa de instalação (arquivo com extensão **.pkg**)



[CRAN](#)  
[Mirrors](#)  
[What's new?](#)  
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[Search](#)

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[FAQs](#)  
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### R for Mac OS X

This directory contains binaries for a base distribution and packages to run on Mac OS X (release 10.6 and above). Mac OS 8.6 to 9.2 (and Mac OS X 10.1) are no longer supported but you can find the last supported release of R for these systems (which is R 1.7.1) [here](#). Releases for old Mac OS X systems (through Mac OS X 10.5) and PowerPC Macs can be found in the [old](#) directory.

Note: CRAN does not have Mac OS X systems and cannot check these binaries for viruses. Although we take precautions when assembling binaries, please use the normal precautions with downloaded executables.

R 3.2.2 "Fire Safety" released on 2015/08/16

Please check the MD5 checksum of the downloaded image to ensure that it has not been tampered with or corrupted during the mirroring process. For example type

`md5 R-3.2.2.pkg`

in the *Terminal* application to print the MD5 checksum for the R-3.2.2.pkg image. On Mac OS X 10.7 and later you can also validate the signature using

`pkgutil --check-signature R-3.2.2.pkg`

#### Files:

[R-3.2.2.pkg](#)

MD5-hash: 0d3999120c5d4c392802797d091642db  
SHA1-hash: c1276ca0cd327be445553e1c1eb66bb8fb47822  
(ca. 69MB)

R 3.2.2 binary for Mac OS X 10.9 (Mavericks) and higher, signed package. Contains R 3.2.2 framework, R.app GUI 1.66 in 64-bit for Intel Macs, Tcl/Tk 8.6.0 X11 libraries and Texinfo 5.2. The latter two components are optional and can be omitted when choosing 'custom install', it is only needed if you want to use the `tcltk` R package or build package documentation from sources.

Note: the use of X11 (including `tcltk`) requires [XQuartz](#) to be installed since it is no longer part of OS X. Always re-install XQuartz when upgrading your OS X to a new major version.

[R-3.2.1-snowleopard.pkg](#)

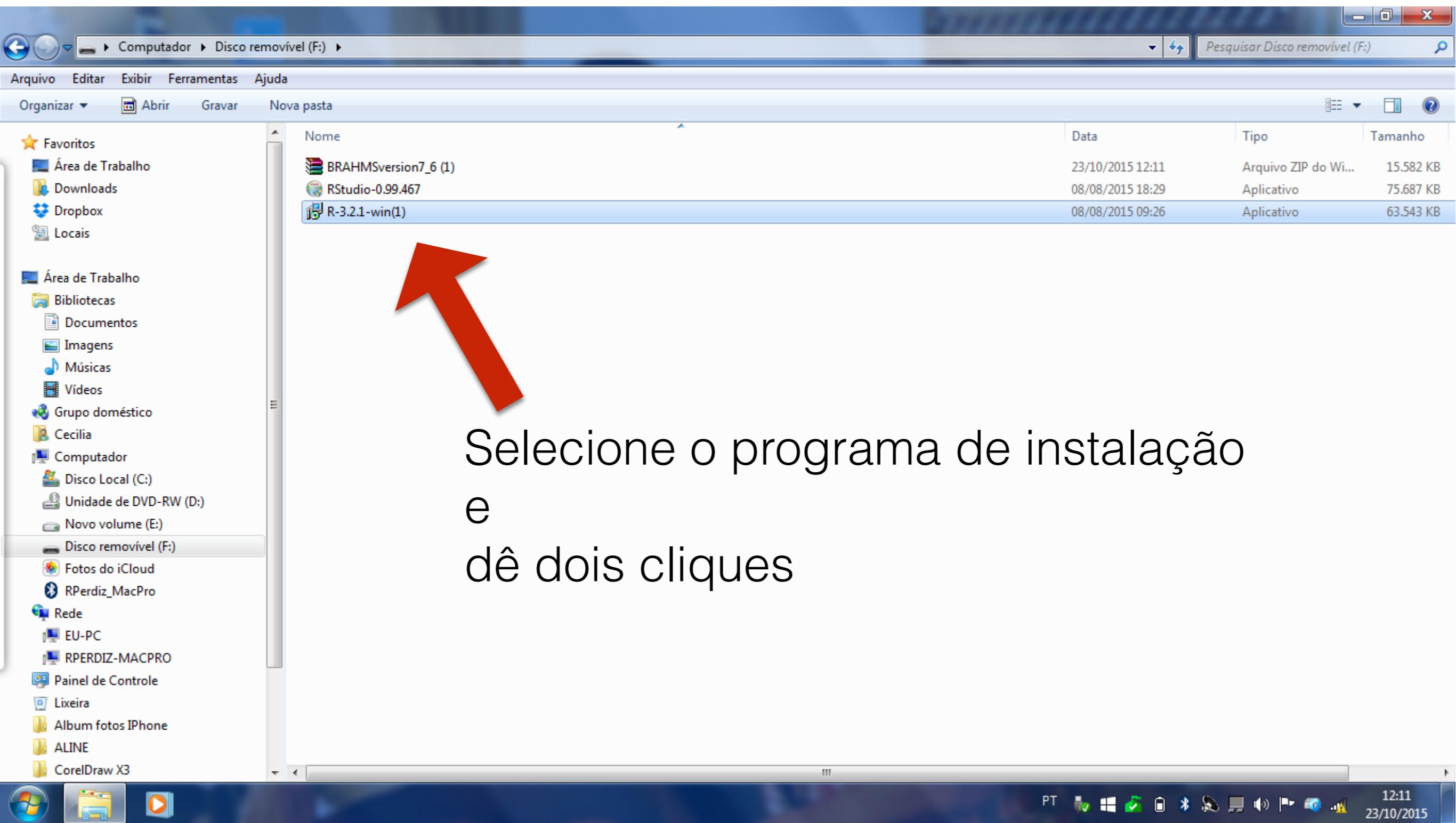
MD5-hash: 58fc9d01314d9cb75ff0ccfb914fd65  
SHA1-hash: b6e91db12bac22a32430eb1c7efab9063ec0c0  
(ca. 68MB)

R 3.2.1 legacy binary for Mac OS X 10.6 (Snow Leopard) - 10.8 (Mountain Lion), signed package. Contains R 3.2.1 framework, R.app GUI 1.66 in 64-bit for Intel Macs. This package contains the R framework, 64-bit GUI (R.app), Tcl/Tk 8.6.0 X11 libraries and Texinfo 5.2. GNU Fortran is NOT included (needed if you want to compile packages from sources that contain FORTRAN code) please see [the tools directory](#).

NOTE: the binary support for OS X before Mavericks is being phased out, we do not expect further releases!

# Instalando o R

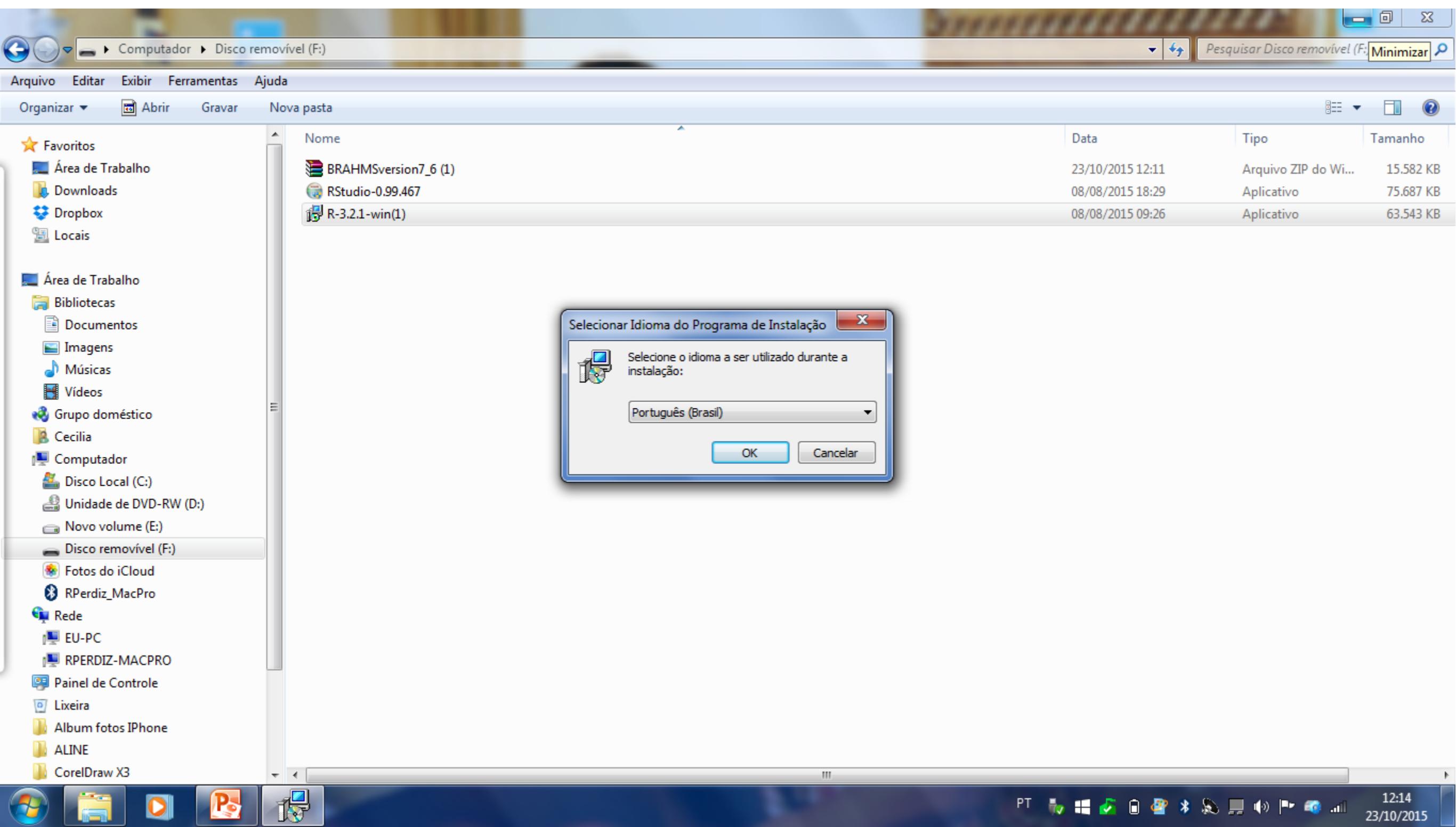
- Para usuários do **SO Windows**



# Instalando o R

- Para usuários do **SO Windows**

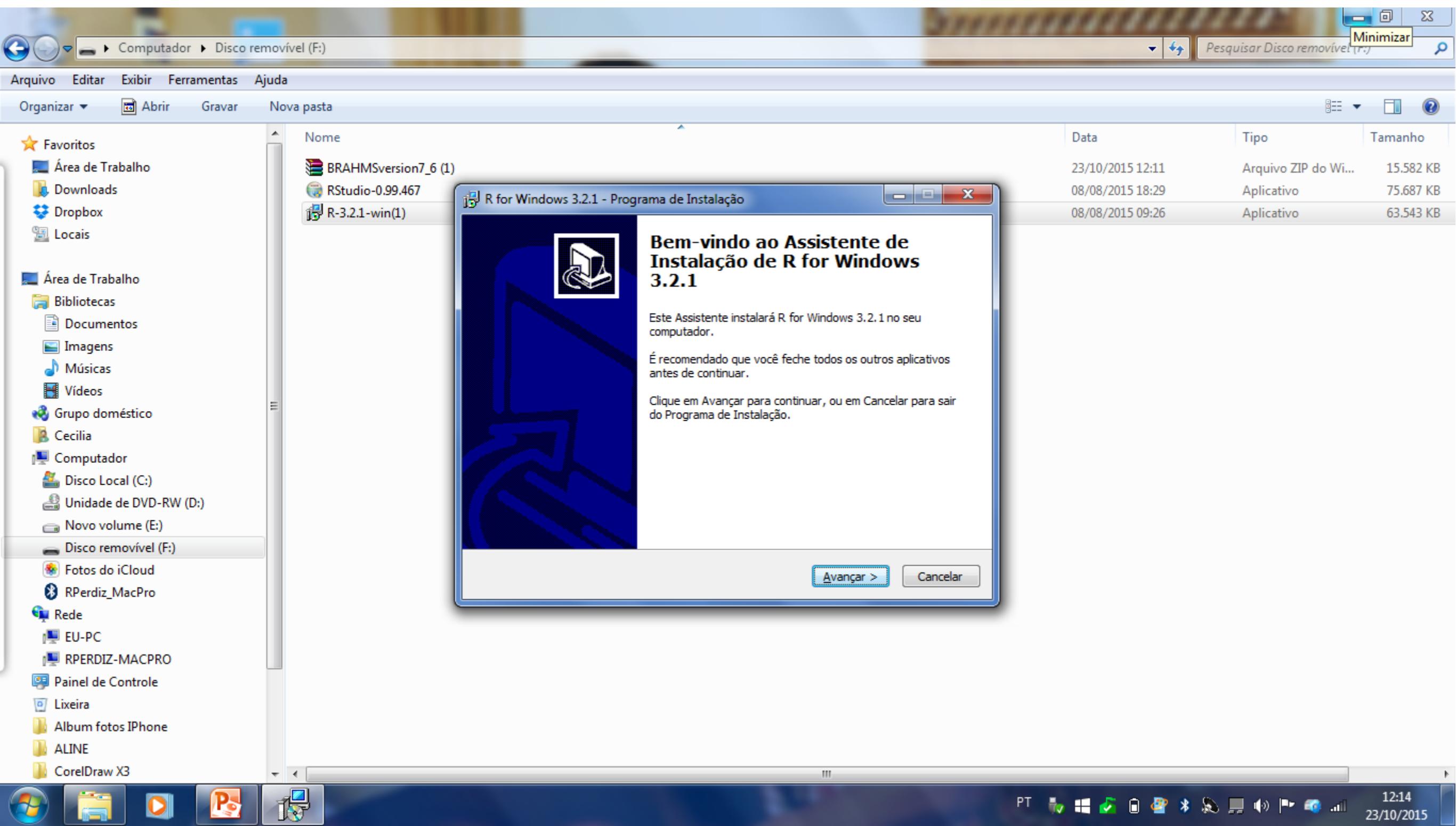
Selecione a língua de preferência - Português, Inglês etc. e clique em **OK**



# Instalando o R

- Para usuários do **SO Windows**

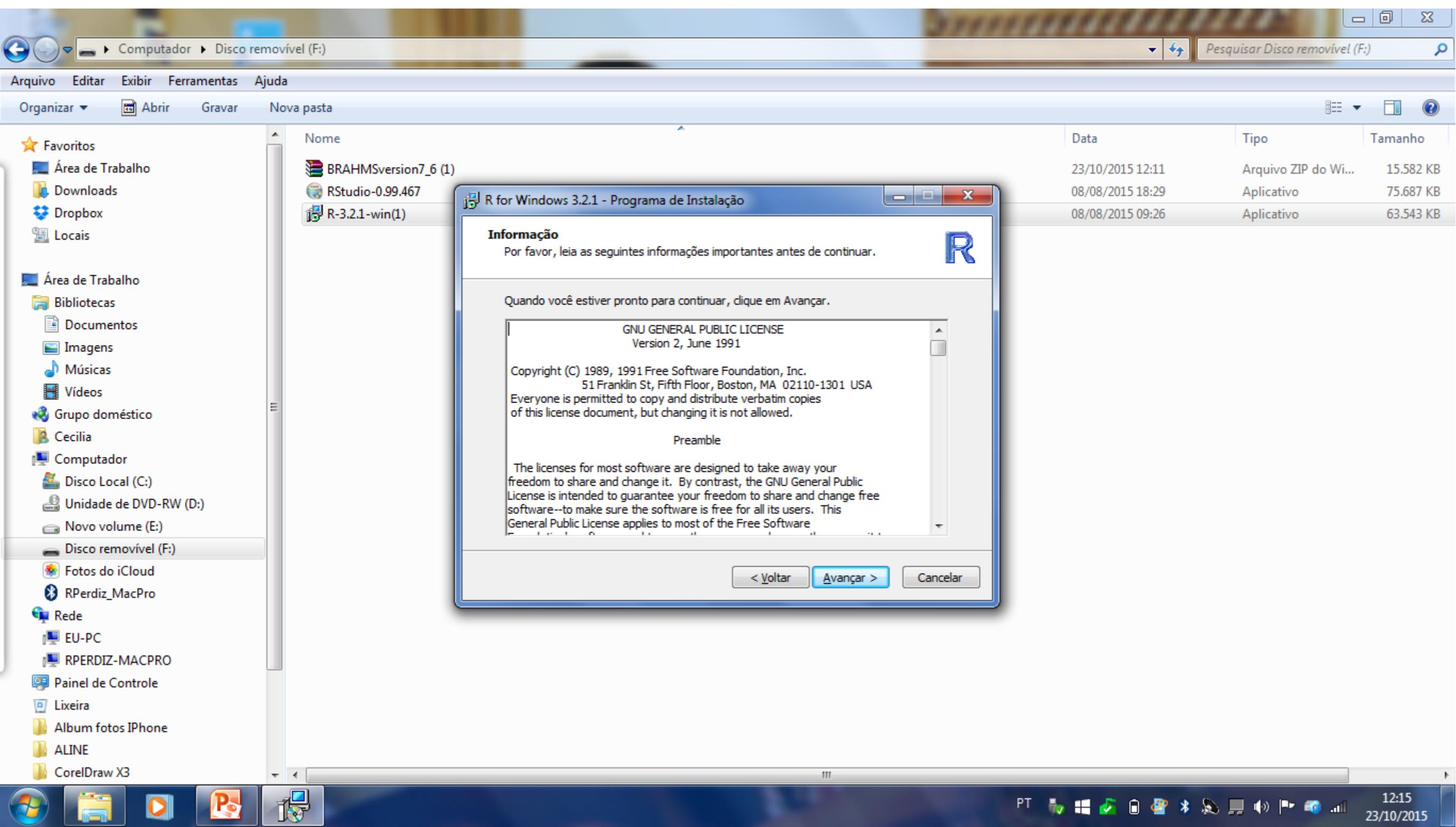
Clique em **Avançar >** para continuar



# Instalando o R

- Para usuários do **SO Windows**

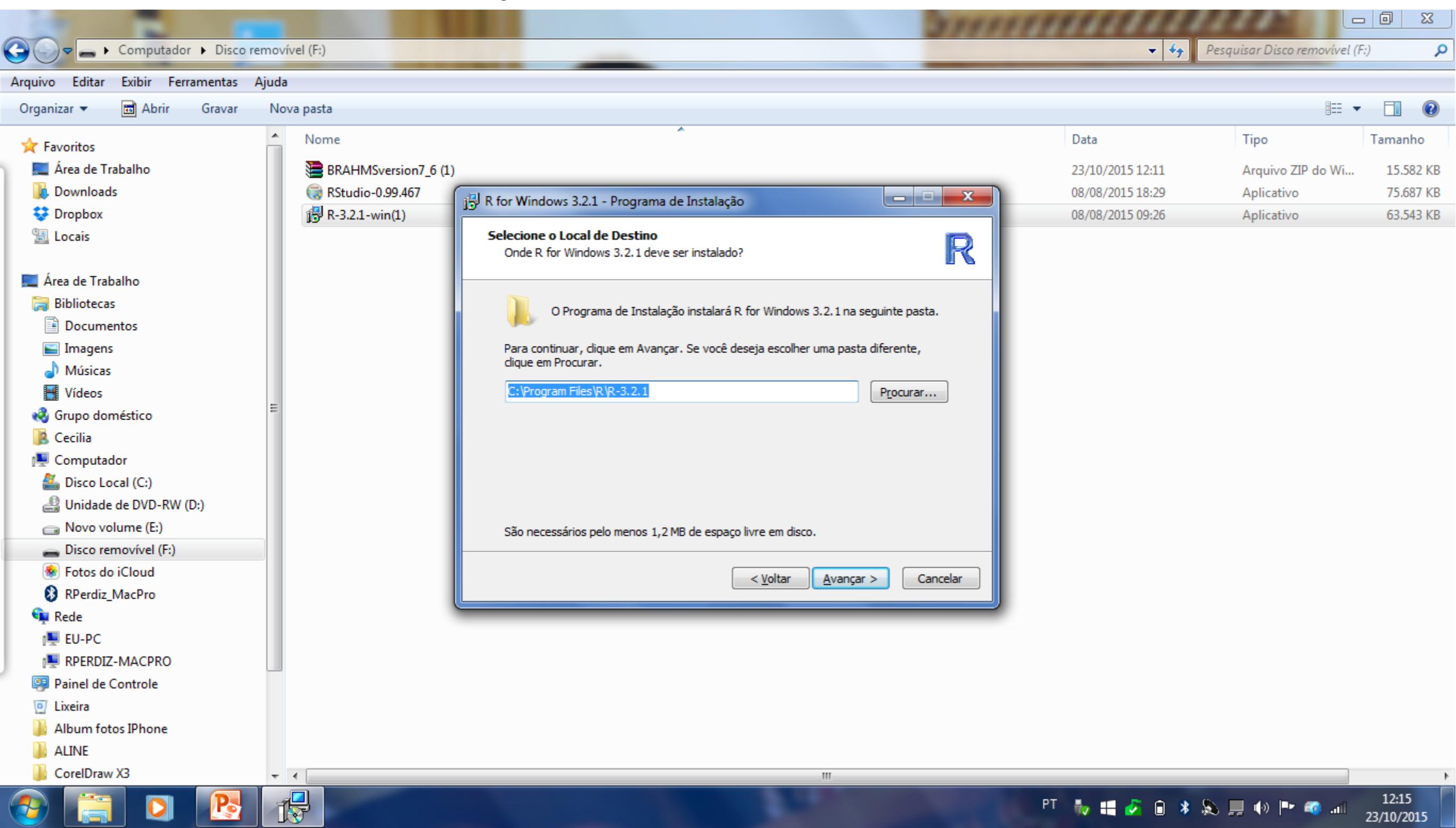
Aceite a licença de uso, clicando em **Avançar >**



# Instalando o R

- Para usuários do **SO Windows**

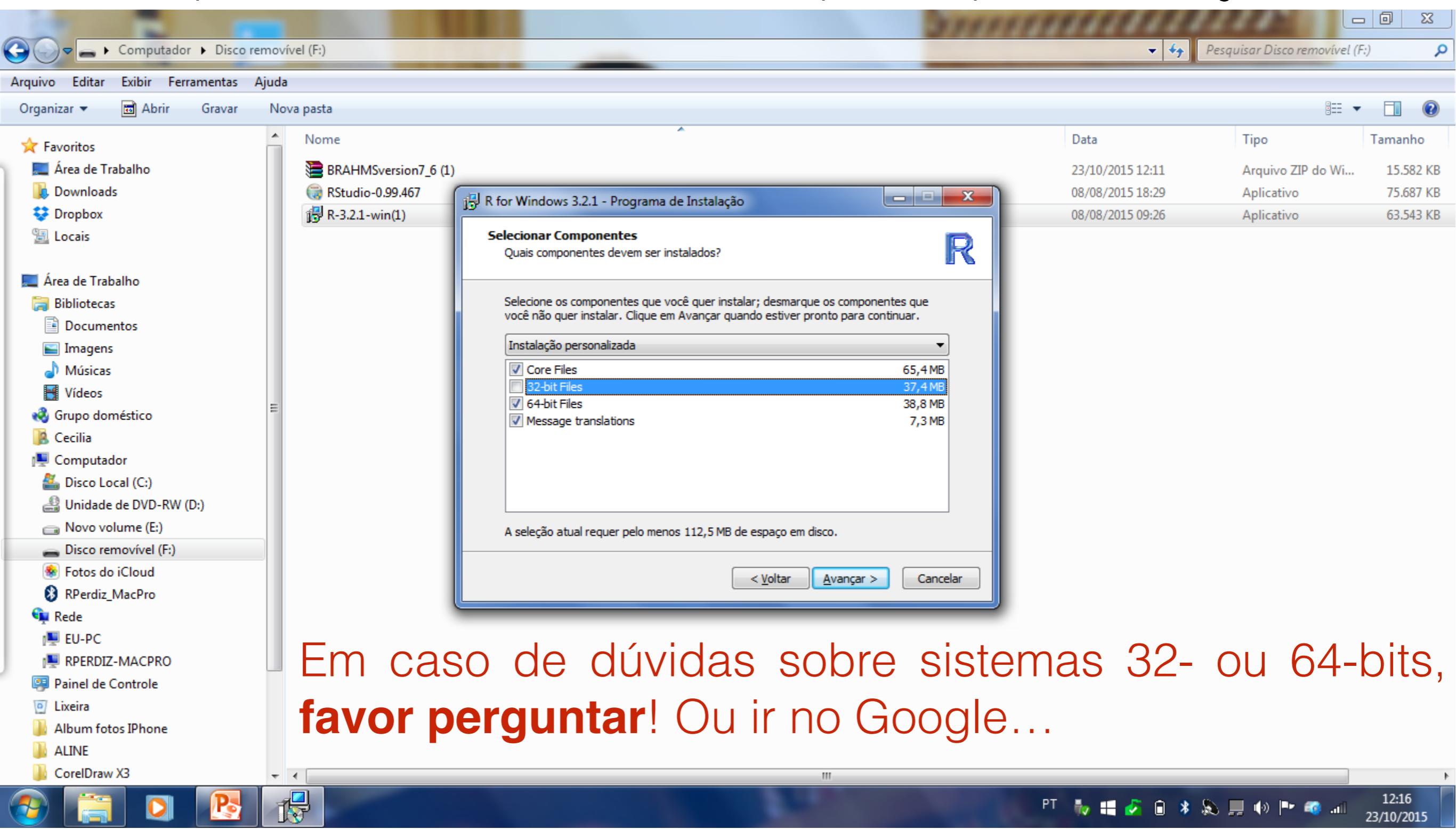
Escolha o local onde será instalado o R. Sugerimos que deixe na opção padrão e clique em **Avançar >**



# Instalando o R

- Para usuários do **SO Windows**

Deixe marcado apenas 'Core Files', 'Message Translations' e '32' ou '64-bits', a depender da versão do seu OS, depois clique em **Avançar >**

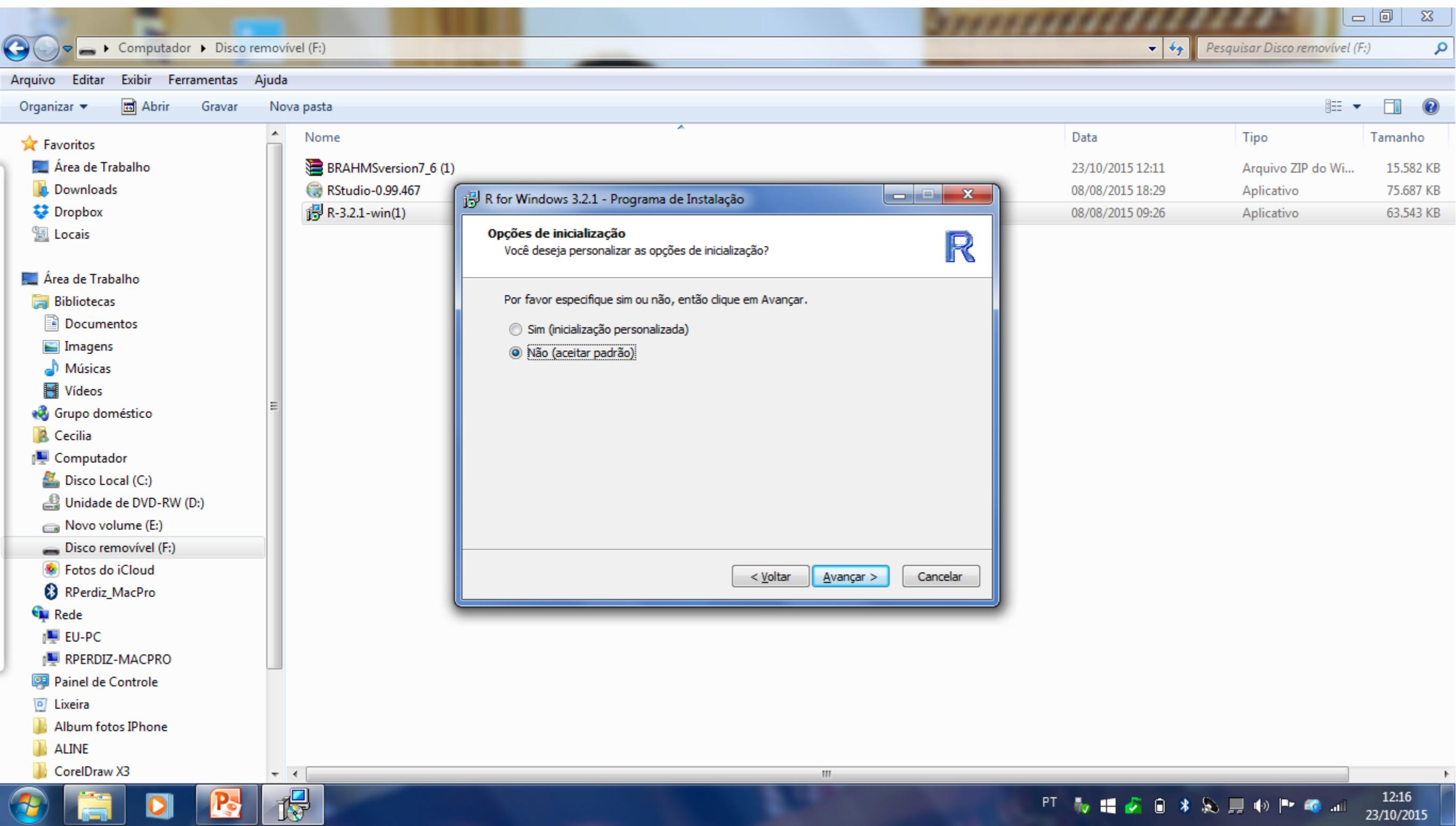


Em caso de dúvidas sobre sistemas 32- ou 64-bits,  
**favor perguntar!** Ou ir no Google...

# Instalando o R

- Para usuários do **SO Windows**

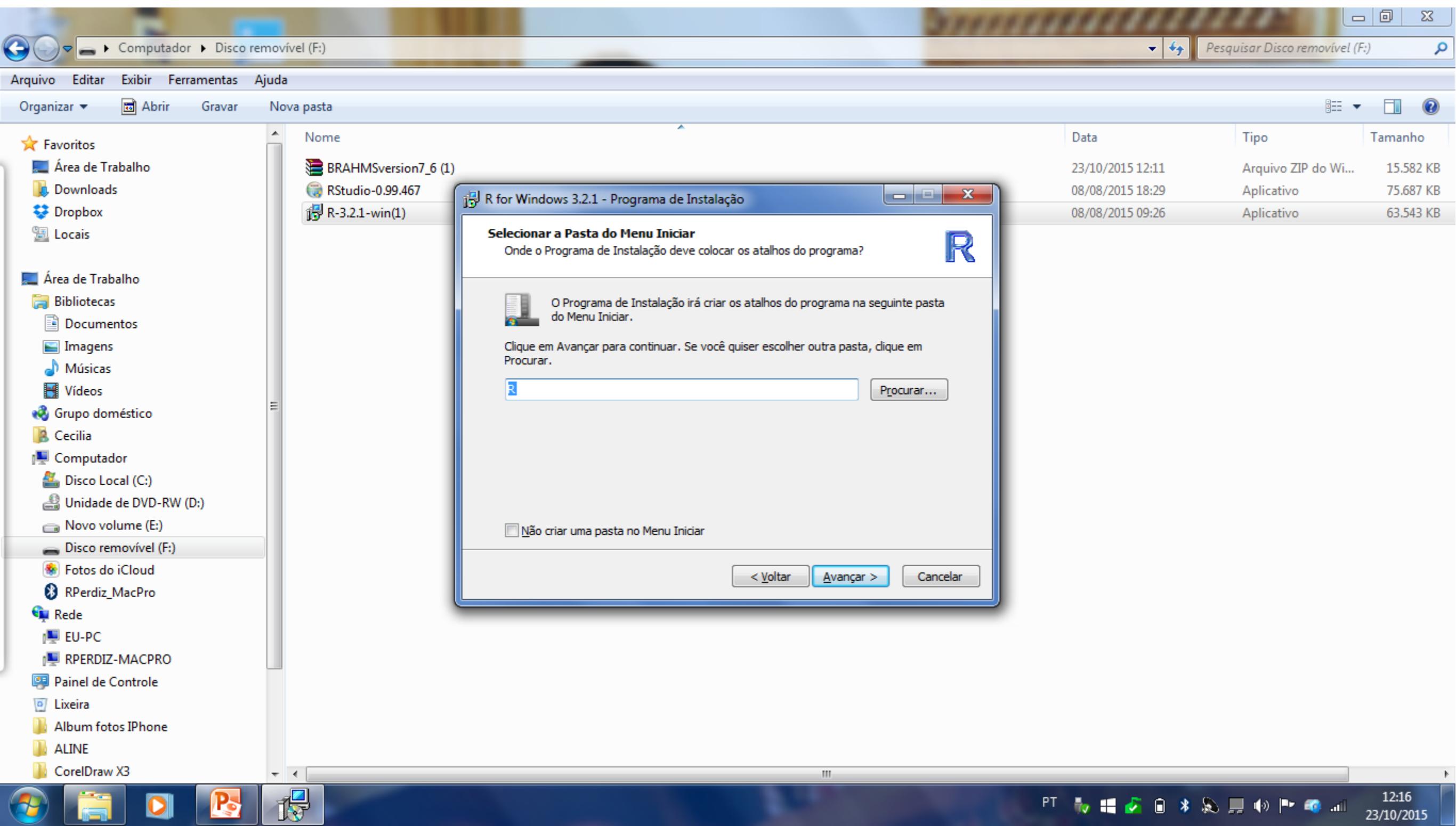
Sugerimos aceitar a inicialização padrão, depois clicar em **Avançar >**



# Instalando o R

- Para usuários do **SO Windows**

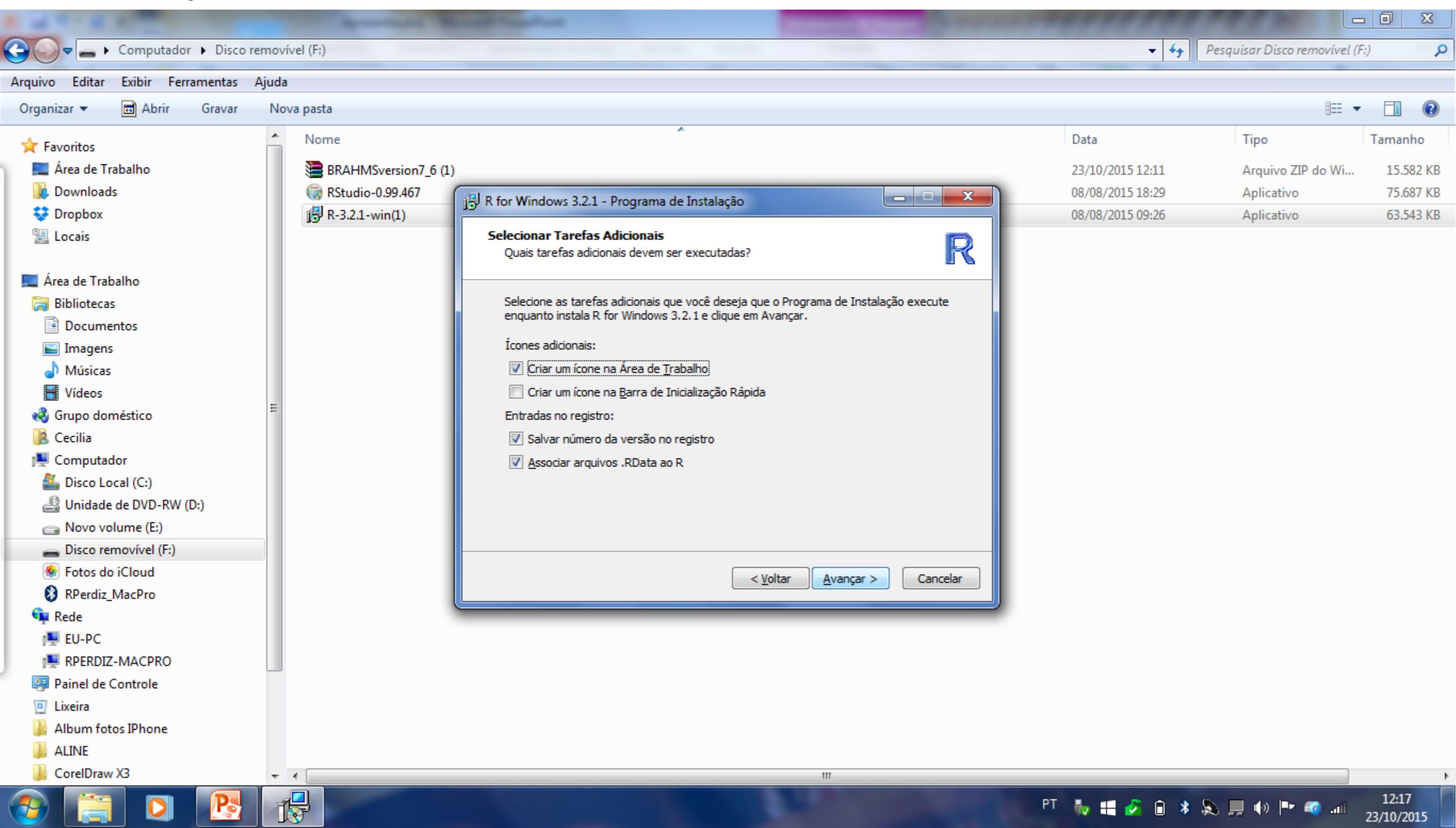
Sugerimos aceitar a opção padrão, depois clicar em **Avançar >**



# Instalando o R

- Para usuários do **SO Windows**

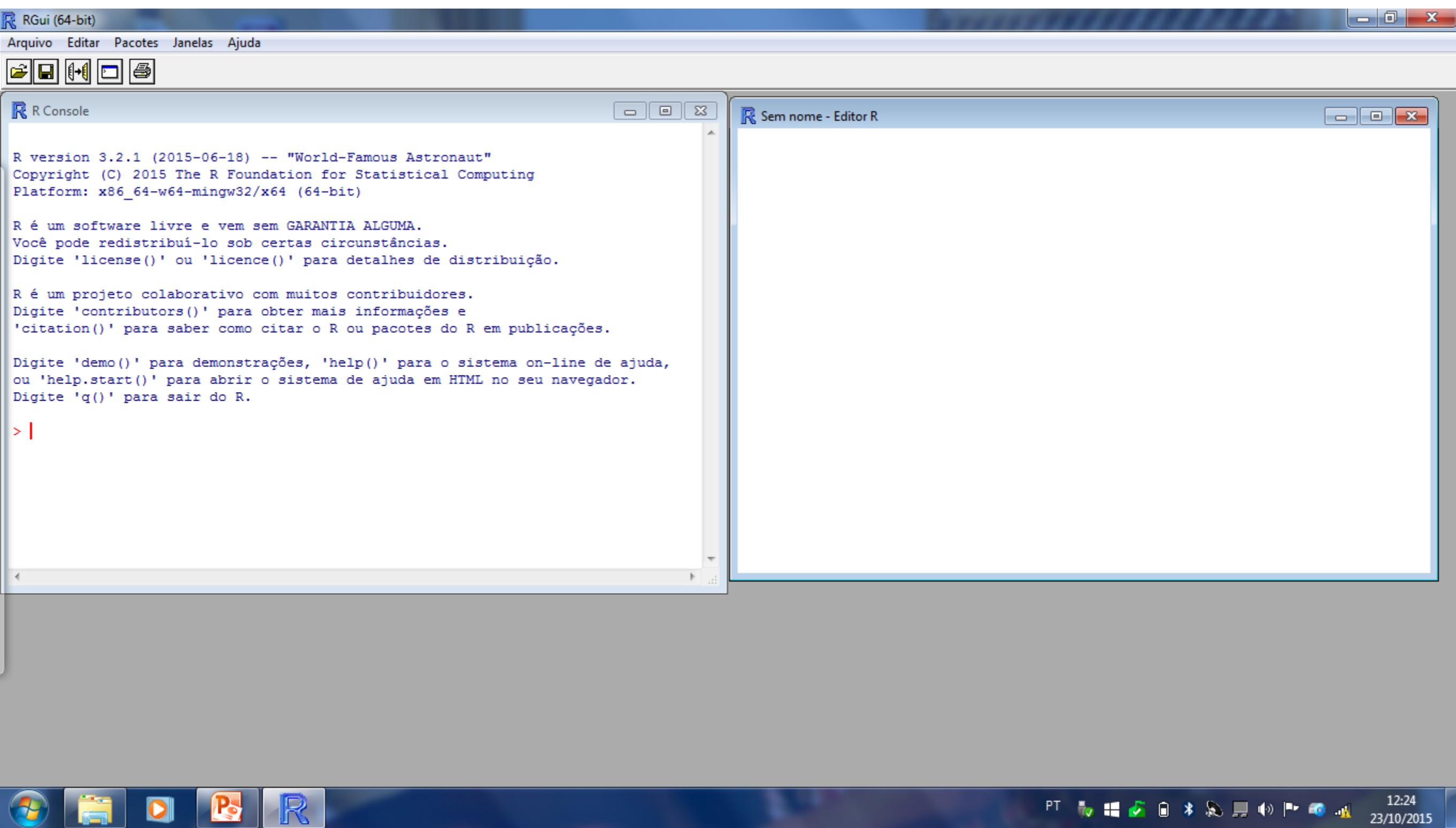
Sugerimos deixar marcadas as opções visualizadas abaixo, depois clicar em **Avançar >**



# R instalado!!!

- Para usuários do **SO Windows**

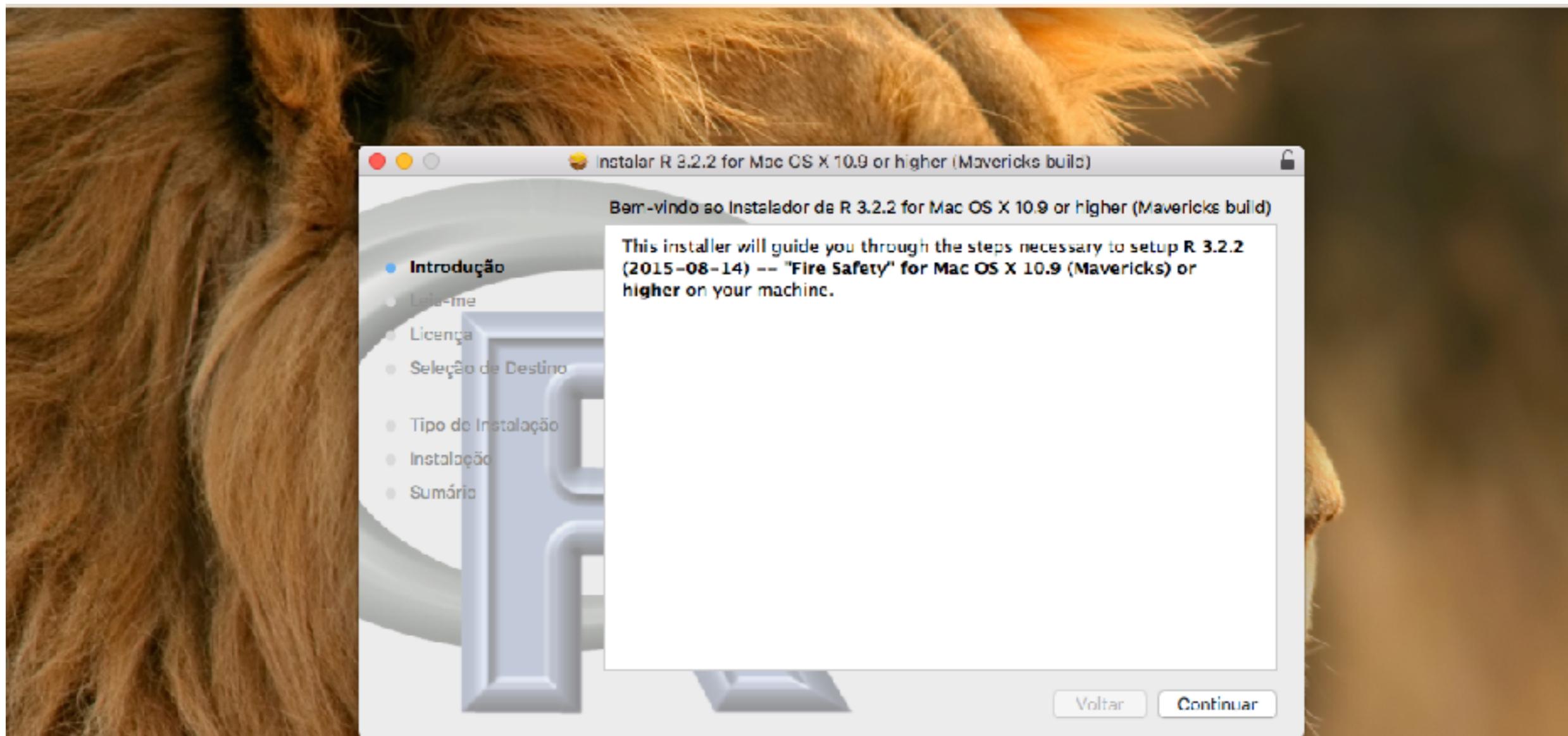
Pronto! Essa é a cara do R no **SO Windows**



# Instalando o R

- Para usuários do **OS X**

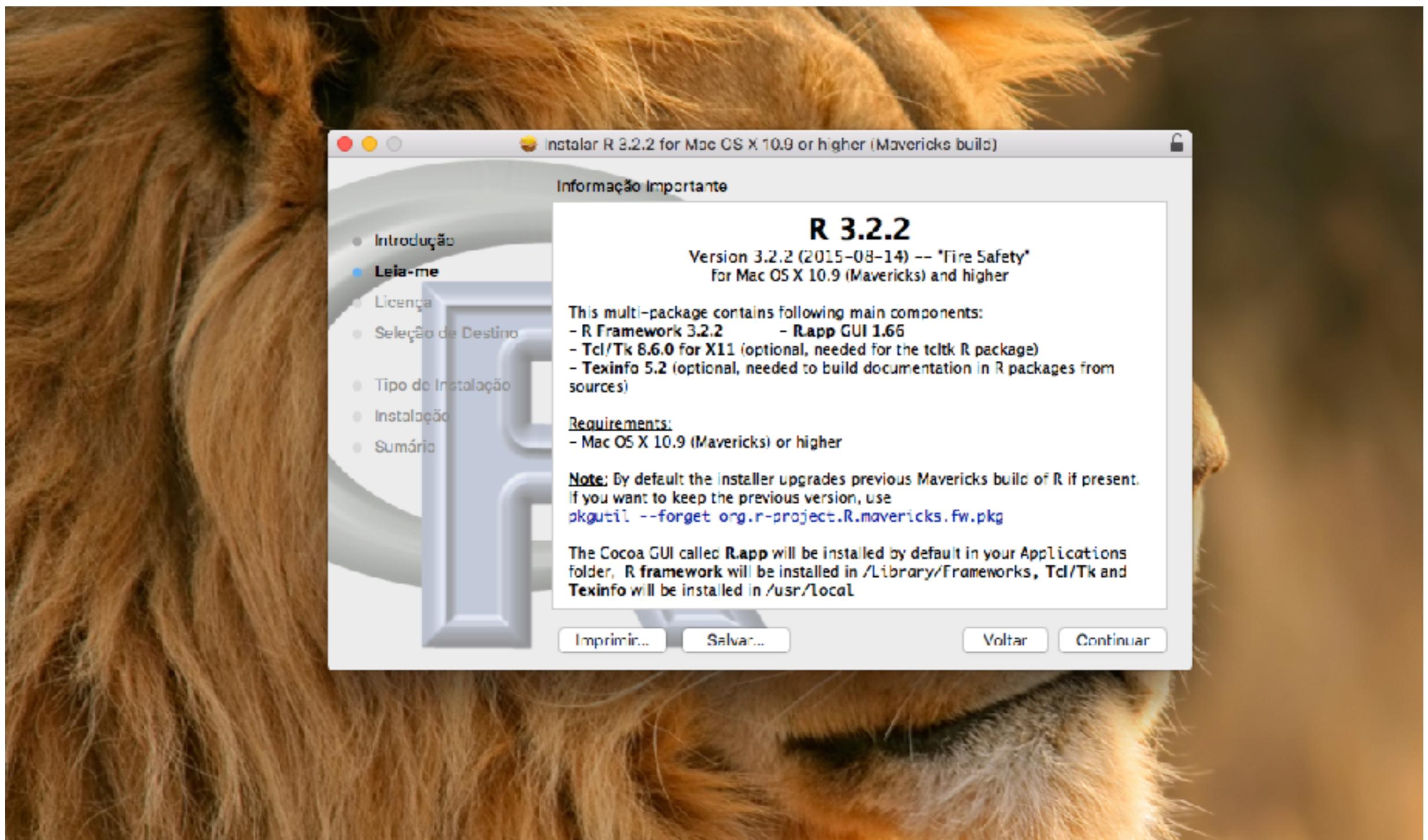
Após o duplo clique no arquivo **.pkg**, aparece essa tela. Clique em **Continuar**



# Instalando o R

- Para usuários do **OS X**

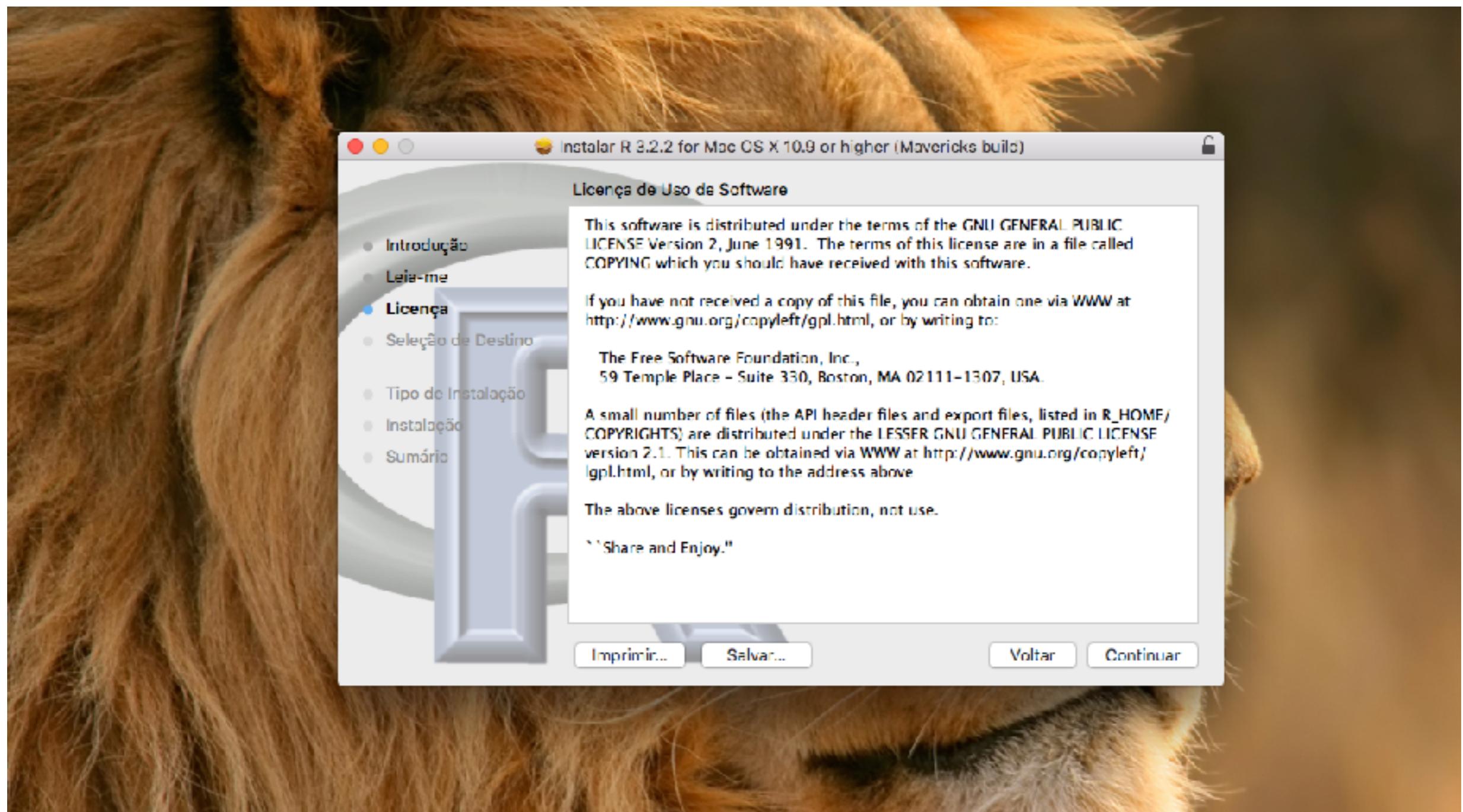
Clique em **Continuar**



# Instalando o R

- Para usuários do **OS X**

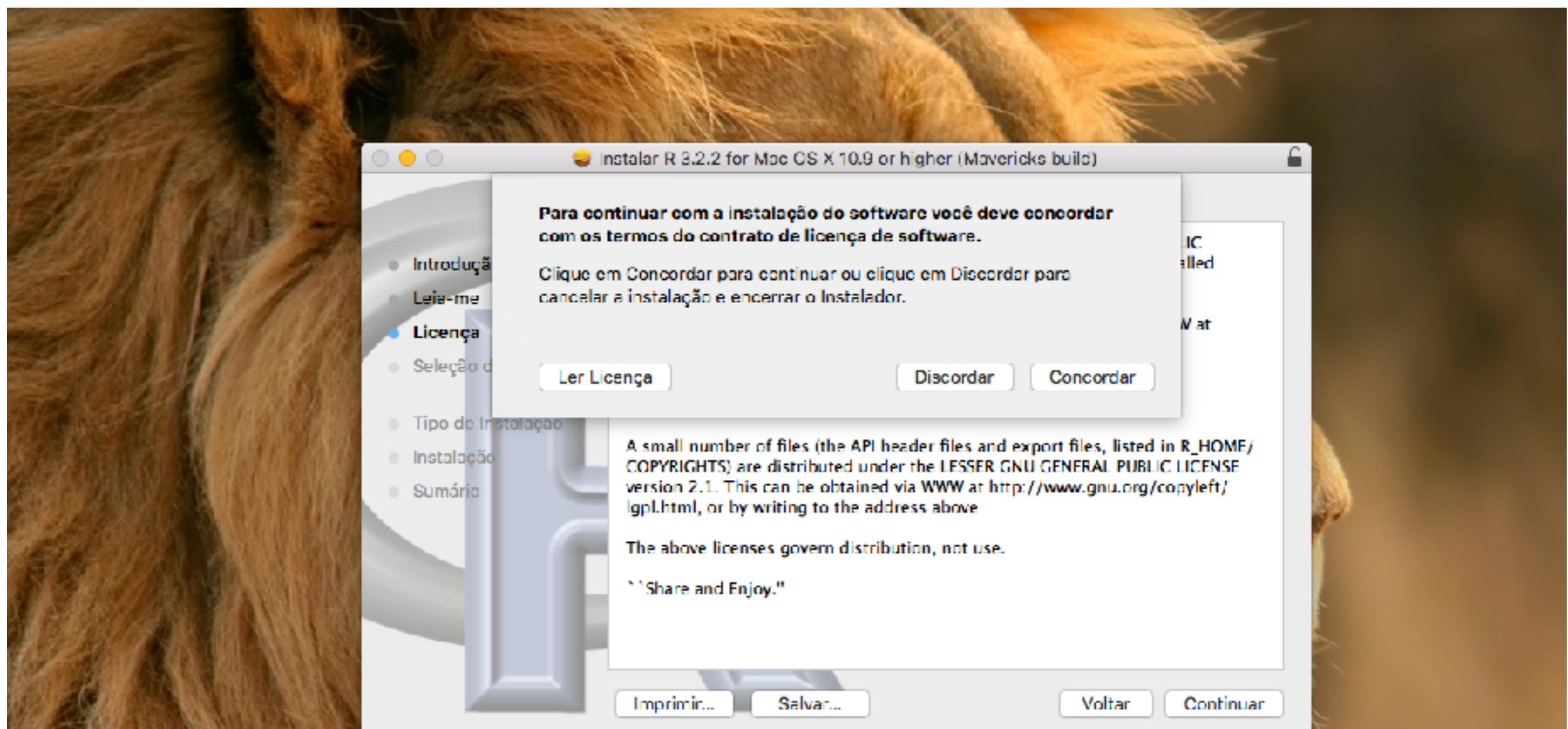
Após ler a **Licença de Uso de Software**, clique em **Continuar**



# Instalando o R

- Para usuários do **OS X**

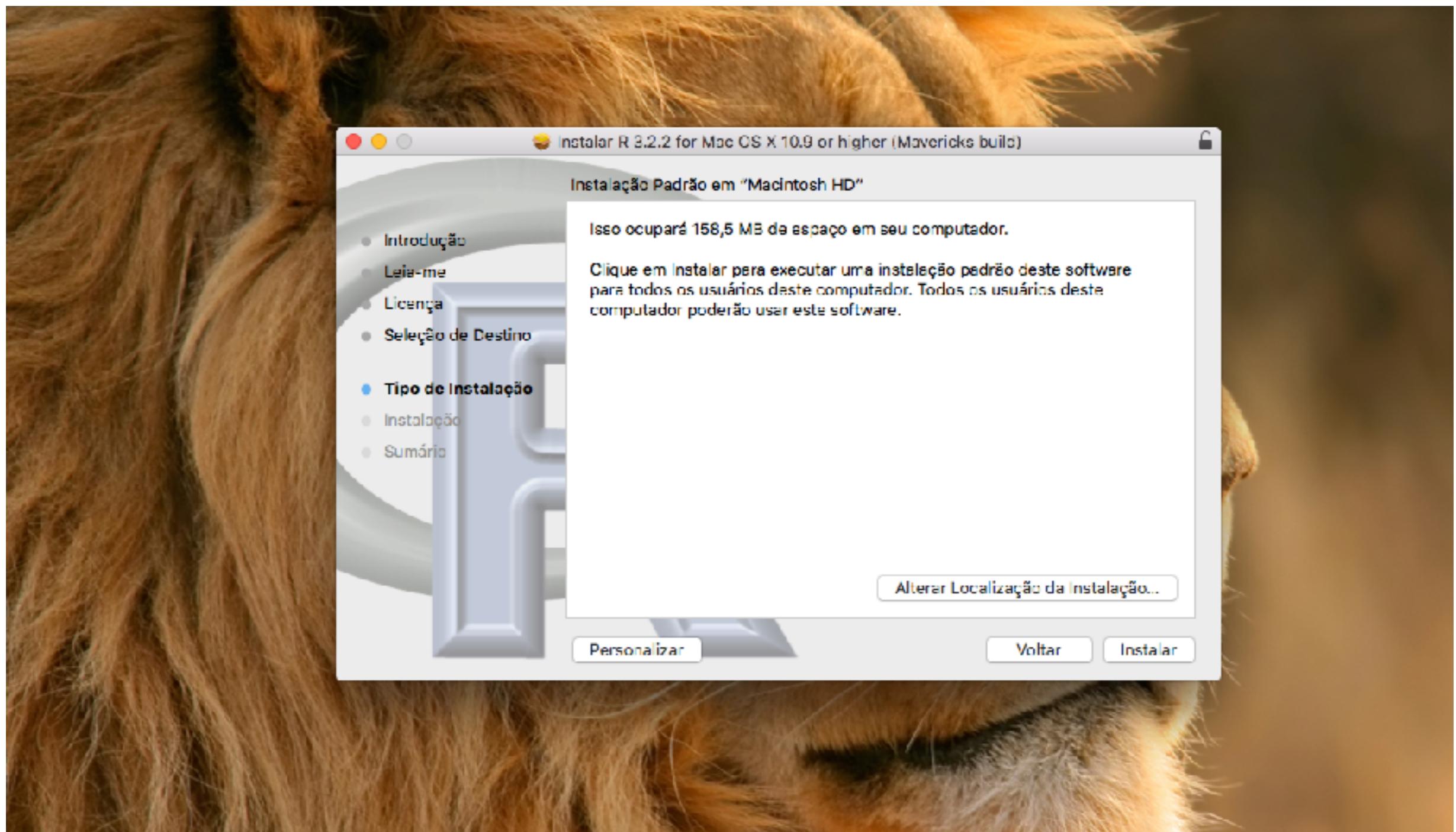
Concorde com os termos da **Licença de Uso de Software** e clique em **Continuar**



# Instalando o R

- Para usuários do **OS X**

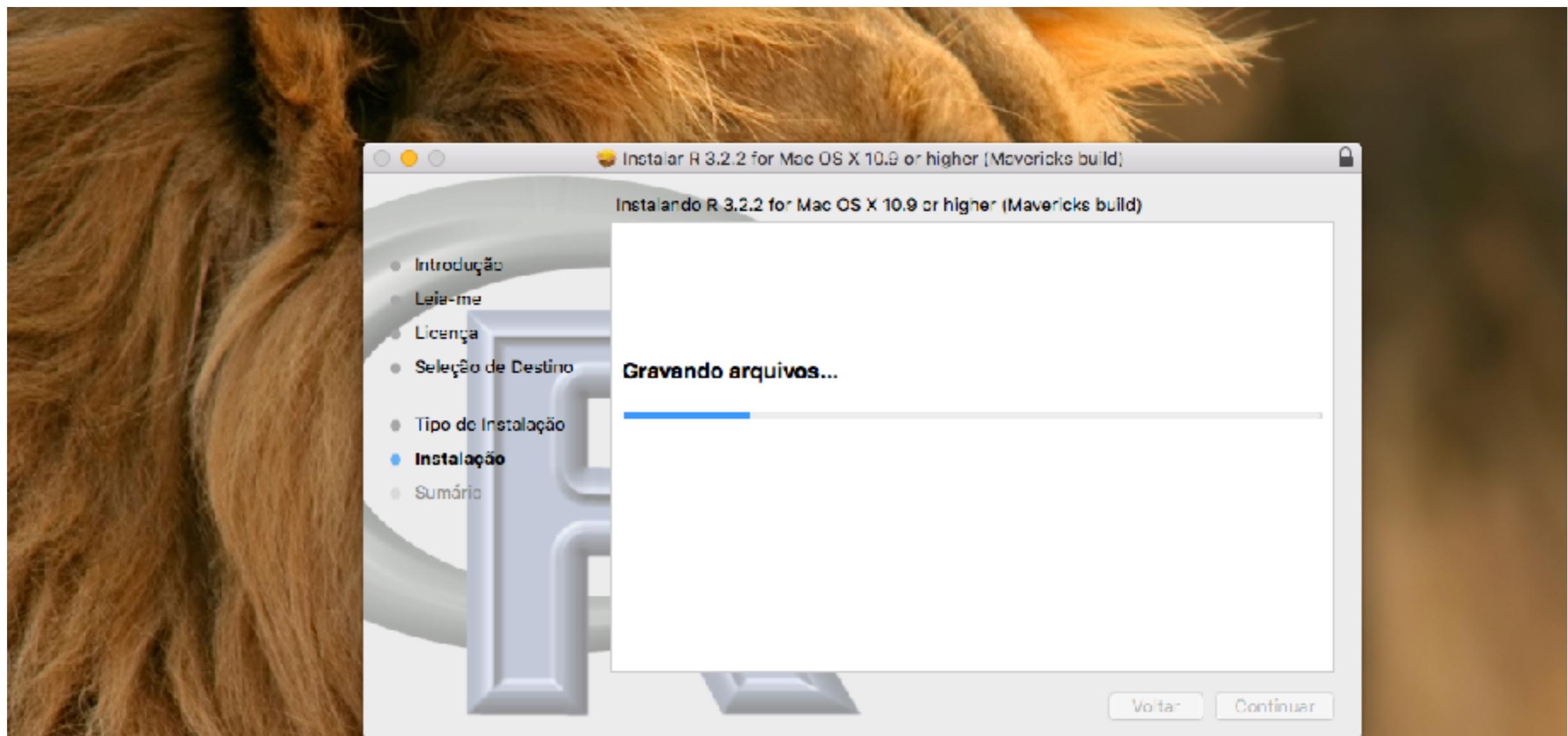
Prossiga com a instalação clicando em **Instalar**



# Instalando o R

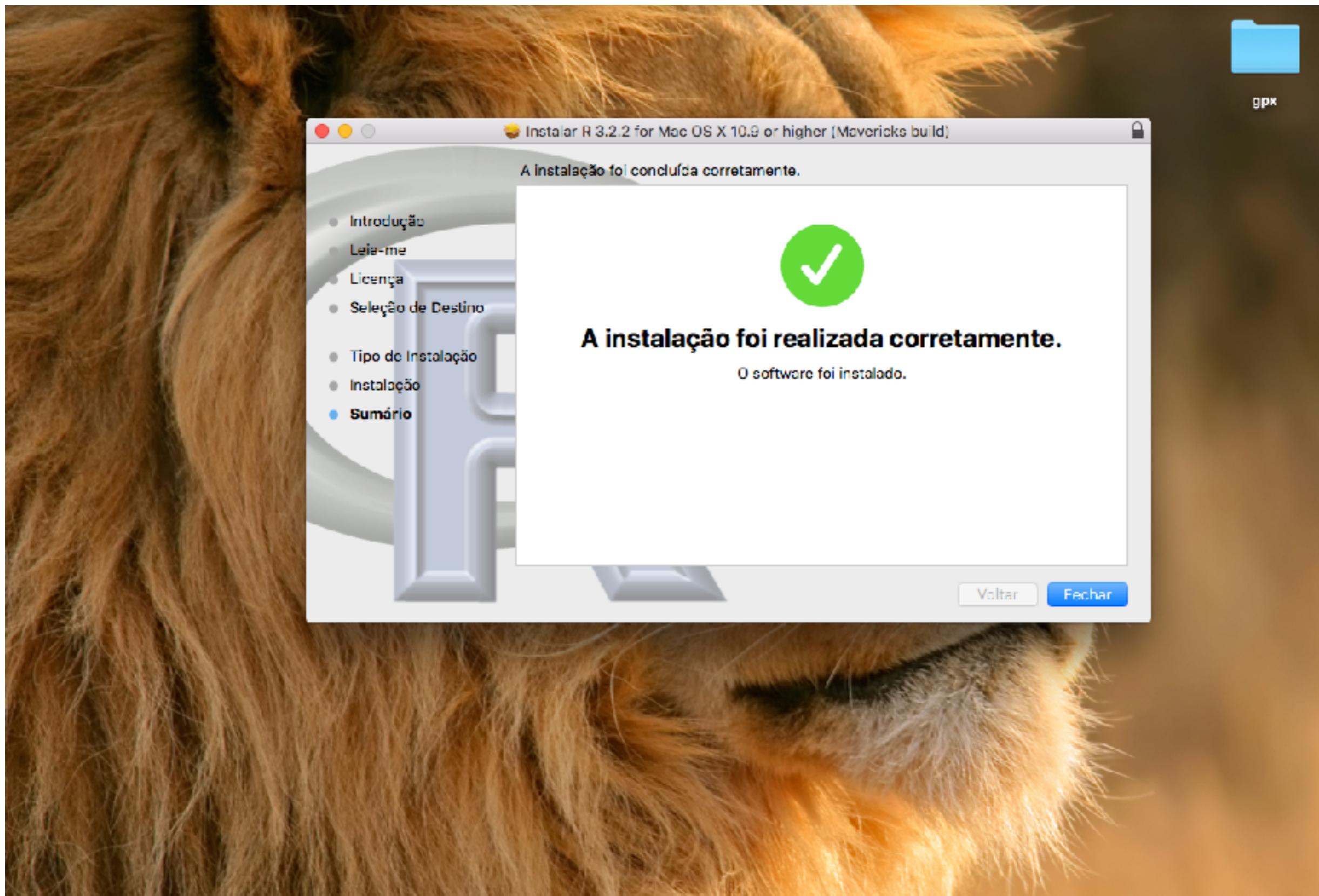
- Para usuários do **OS X**

Aguarda a instalação...



# R instalado!!!

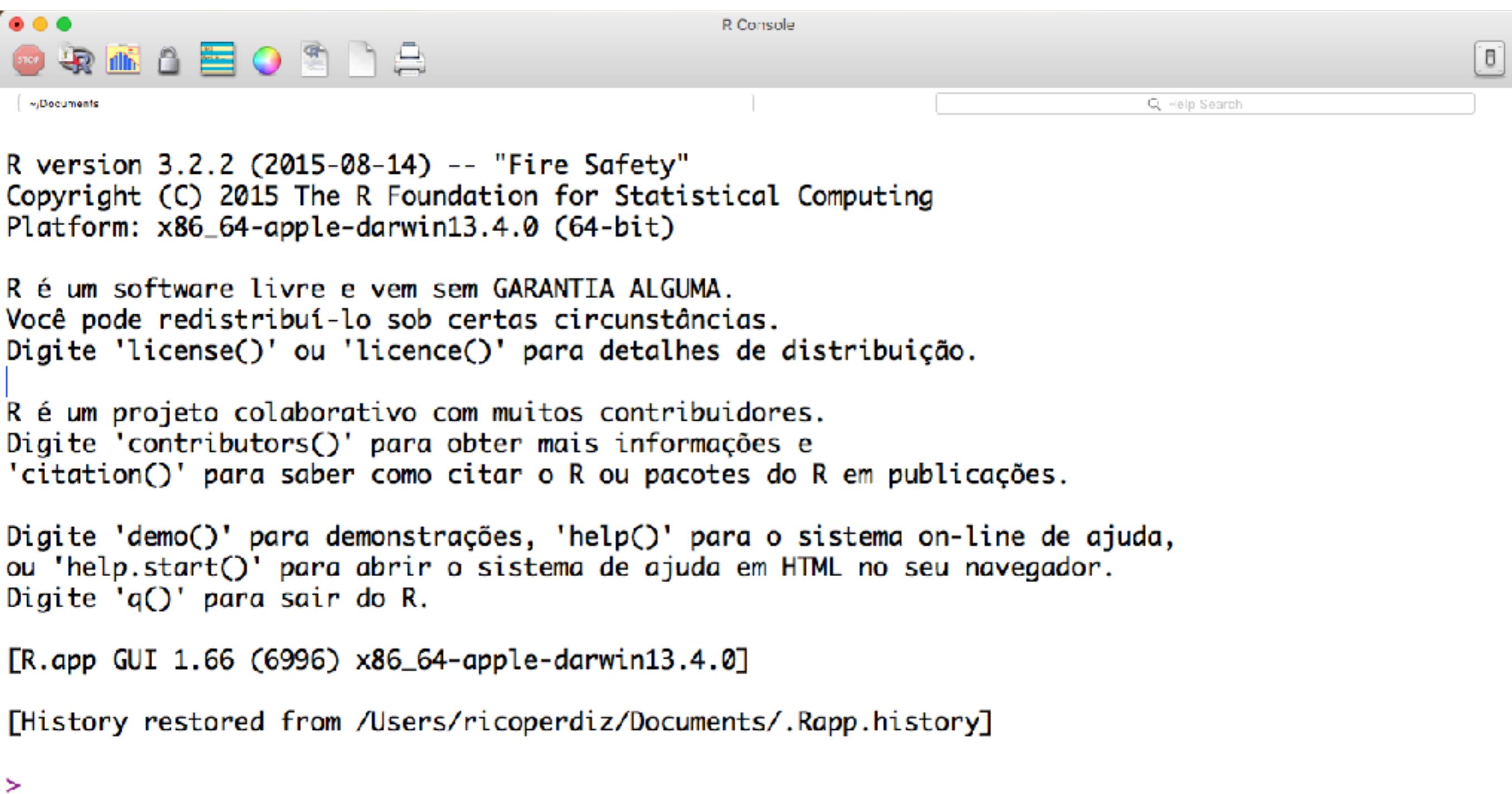
- Para usuários do **OS X**



# R instalado!!!

- Para usuários do **OS X**

Pronto! Essa é a cara do R no **OS X**



```
R version 3.2.2 (2015-08-14) -- "Fire Safety"
Copyright (C) 2015 The R Foundation for Statistical Computing
Platform: x86_64-apple-darwin13.4.0 (64-bit)

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.

[R.app GUI 1.66 (6996) x86_64-apple-darwin13.4.0]
[History restored from /Users/ricoperdiz/Documents/.Rapp.history]
```



## Apoie o software livre!

