Установка R и RStudio

Перейдите по ссылке posit.co/download/rstudio-desktop

В середине страницы найдите следующий раздел

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.

2: Install RStudio

DOWNLOAD RSTUDIO DESKTOP FOR MACOS 13+

This version of RStudio is only supported on macOS 13 and higher. For earlier macOS environments, please <u>download</u> a previous version.

Size: 557.15 MB | SHA-256: BE73D3A9 | Version: 2024.12.1+563 |

Released: 2025-02-13

DOWNLOAD AND INSTALL R

Установка R

Hажмите DOWNLOAD AND INSTALL R

1: Install R

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Установка R

В открывшейся вкладке выберите из списка свою операционную систему



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The R Journal

The Comprehensive R Archive Network

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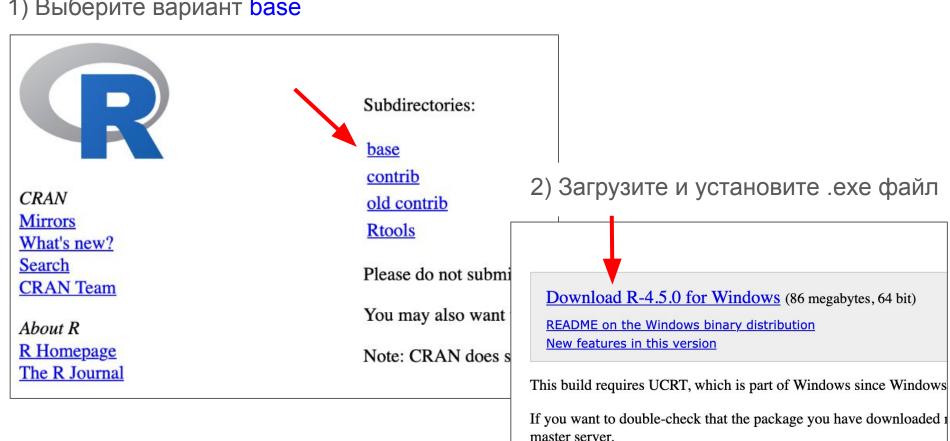
Precompiled binary distributions of the base system and contributed packages, **Windows and Mac** users most likely want one of these versions of R:

- <u>Download R for Linux</u> (<u>Debian</u>, <u>Fedora/Redhat</u>, <u>Ubuntu</u>)
- 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.

Для Windows

1) Выберите вариант base



Для Мас

Загрузите и установите .pkg файл (сверху для новых компьютеров, снизу для старых)



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This directory contains binaries for the base distribution and of R and packages to run on macOS. R and package binaries for R version and of R and packages to run on macOS. the CRAN archive so users of such versions should adjust the CRAN mirror setting (https://cran-archive.r-project.org) according to the cran archive.r-project.org

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

R 4.5.0 "How About a Twenty-Six" released on 2025/04/11

Please check the integrity of the downloaded package by checking the signature:

pkqutil --check-signature R-4.5.0-arm64.pkg

in the Terminal application. If Apple tools are not available you can check the SHA1 checksum of the downloaded image: openssl sha1 R-4.5.0-arm64.pkg

Для новых Мас:

For Apple silicon (M1.2...) Macs: R-4.5.0-arm64.pkg

или для старых Мас:

For older Intel Macs:

R-4.5.0-x86 64.pkg

SHA1-hash: d1121c69451118c6e43d66b643c589008340f3e7 (ca. 100MB, notarized and signed)

Latest release:

R 4.5.0 binary for macOS 11 (**Big Sur**) and higher, signed and notarized packages.

Contains R 4.5.0 framework, R.app GUI 1.81, Tcl/Tk 8.6.12 X11 libraries and Texir components are optional and can be ommitted when choosing "custom install", they want to use the tcltk R package or build package documentation from sources.

macOS Ventura users: there is a known bug in Ventura preventing installations from prompt. If the installation fails, move the downloaded file away from the Download. or Desktop).

Note: the use of X11 (including tcltk) requires XQuartz (version 2.8.5 or later). Al when upgrading your macOS to a new major version.

This release uses Xcode 14.2/14.3 and GNU Fortran 14.2. If you wish to compile R Fortran code, you may need to download the corresponding GNU Fortran compiler: project.org/tools. Any external libraries and tools are expected to live in /opt/R/arr opt/R/x86_64 (Intel).

Установка RStudio

Вернитесь или перейдите по ссылке posit.co/download/rstudio-desktop

Нажмите DOWNLOAD RSTUDIO DESKTOP

Следуйте инструкциям установщика

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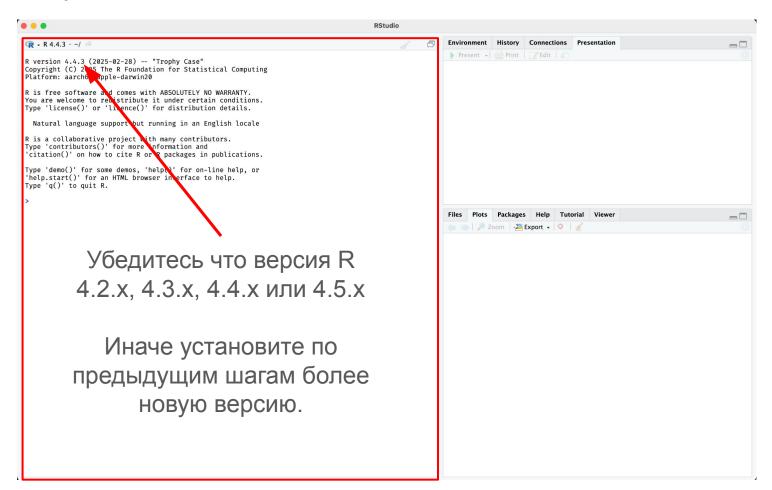
Запустите RStudio



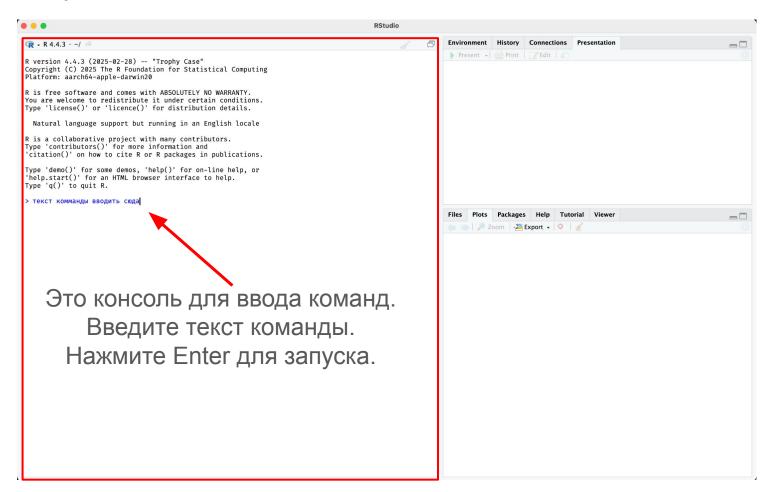
Иконка RStudio - удобный интерфейс. Запускаем ее.



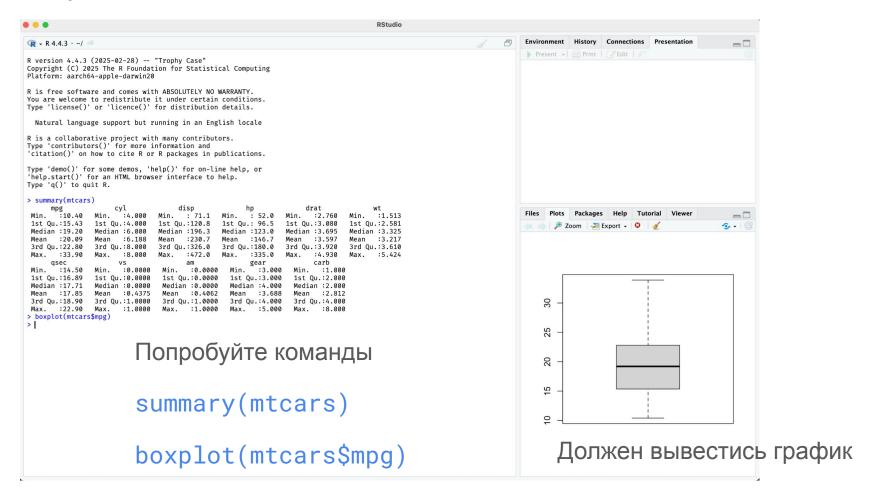
Запустите RStudio



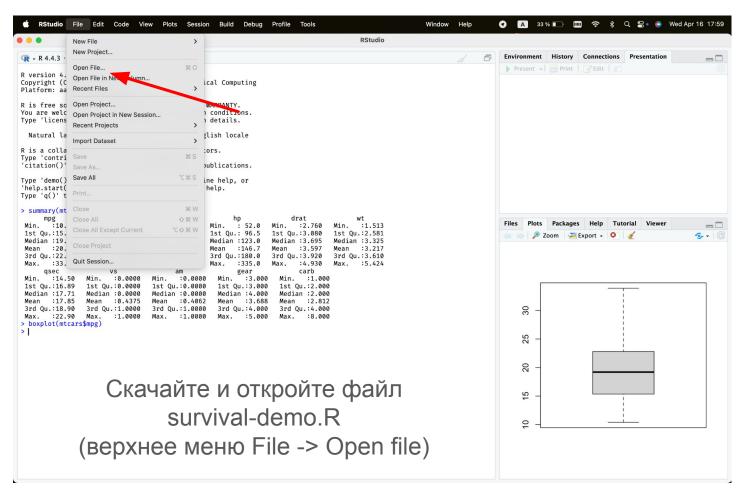
Запуск команд в RStudio



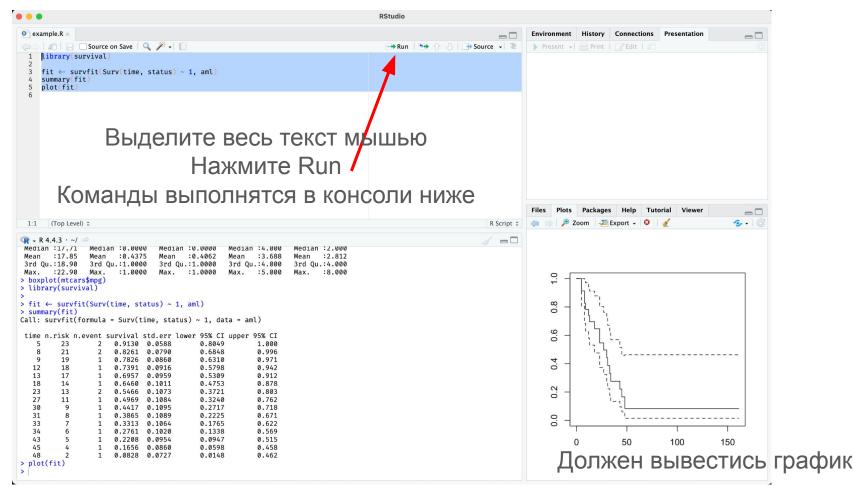
Запуск команд в RStudio



Запуск файлов в RStudio



Запуск файлов в RStudio



Установка пакетов

Введите в консоли команду (обратите внимание на кавычки)

install.packages("tidyverse")

```
0.1656 0.0860
                                                    0.0598
                                                                     0.458
                           0.0828 0.0727
                                                    0.0148
                                                                     0.462
> plot(fit)
> install.packages("tidyverse")
Installing package into '/Users/ydb/Temporary/demo'
(as 'lib' is unspecified)
also installing the dependencies 'fastmap', 'colorspace', 'sys', 'bit', 'ps', 'base64enc', 'sass', 'digest', 'cachem', 'fa
rver', 'labeling', 'munsell', 'RColorBrewer', 'viridisLite', 'rappdirs', 'rematch', 'askpass', 'bit64', 'prettyunits', 'pr
ocessx', 'evaluate', 'highr', 'xfun', 'yaml', 'bslib', 'fontawesome', 'htmltools', 'jquerylib', 'tinytex', 'backports',
enerics', 'glue', 'lifecycle', 'memoise', 'blob', 'DBI', 'R6', 'tidyselect', 'vctrs', 'withr', 'data.table', 'gtable', 'is
oband', 'scales', 'gargle', 'uuid', 'cellranger', 'curl', 'ids', 'rematch2', 'cpp11', 'pkgconfig', 'mime', 'openssl', 'tim echange', 'utf8', 'systemfonts', 'textshaping', 'clipr', 'crayon', 'vroom', 'tzdb', 'progress', 'callr', 'fs', 'knitr', 'r
markdown', 'selectr', 'stringi', 'fansi', 'broom', 'conflicted', 'cli', 'dplyr', 'dplyr', 'dtplyr', 'forcats', 'ggplot2', 'googledrive', 'googlesheets4', 'haven', 'hms', 'httr', 'jsonlite', 'lubridate', 'magrittr', 'modelr', 'pillar', 'purrr',
'ragg', 'readr', 'readxl', 'reprex', 'rlang', 'rstudioapi', 'rvest', 'stringr', 'tibble', 'tidyr', 'xml2'
trying URL 'https://cloud.r-project.org/bin/macosx/big-sur-arm64/contrib/4.4/fastmap_1.2.0.tgz'
Content type 'application/x-gzip' length 192183 bytes (187 KB)
downloaded 187 KB
```

долго будут ставиться пакеты

```
trying URL 'https://cloud.r-project.org/bin/macosx/big-sur-arm64/contrib/4.4/tidyverse_2.0.0.tgz'
Content type 'application/x-gzip' length 428901 bytes (418 KB)

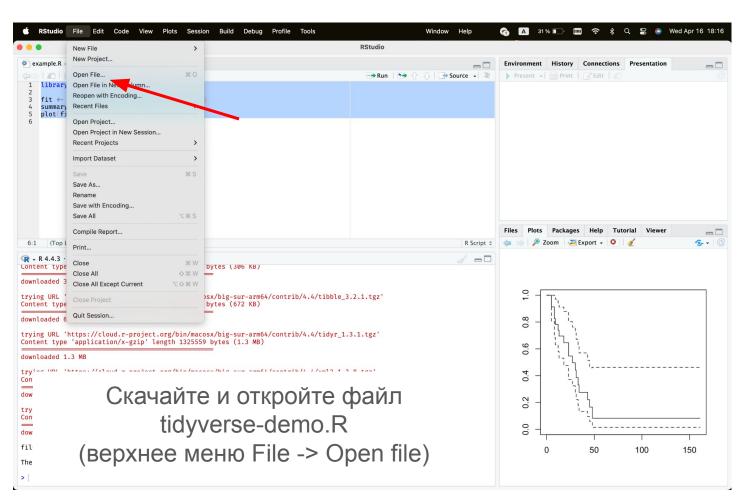
downloaded 418 KB

file 'DESCRIPTION' has the wrong MD5 checksum

The downloaded binary packages are in
/var/folders/6q/x81hj00d5sjgtyycbh6yp64h0000gn/T//Rtmp1cRVMk/downloaded_packages

> |
```

Установка пакетов



Установка пакетов

