

RStudio IDE :: CHEAT SHEET

Documents and Apps



Check spelling Render output Choose output format Choose output location Insert code chunk

Jump to previous chunk Jump to next chunk Run selected lines Publish to server Show file outline

Access markdown guide at **Help > Markdown Quick Reference**

Jump to chunk Set knitr chunk options Run this and all previous code chunks Run this code chunk

RStudio recognizes that files named **app.R**, **server.R**, **ui.R**, and **global.R** belong to a shiny app

Run app Choose location to view app Publish to shinyapps.io or server Manage publish accounts

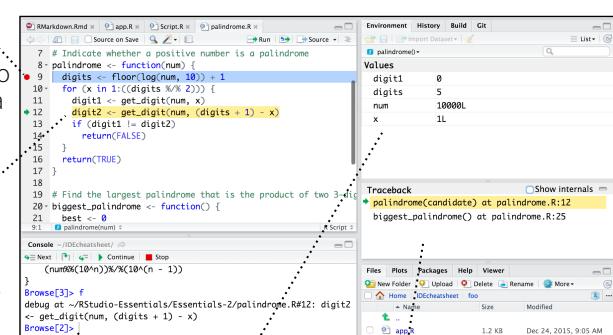
Debug Mode

Open with **debug()**, **browser()**, or a breakpoint. RStudio will open the debugger mode when it encounters a breakpoint while executing code.

Click next to line number to add/remove a breakpoint.

Highlighted line shows where execution has paused

Run commands in environment where execution has paused

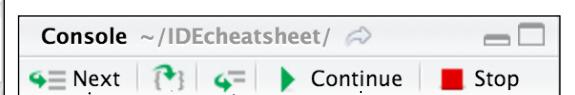
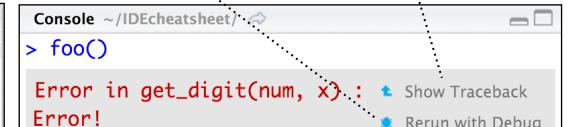


Examine variables in executing environment

Select function in traceback to debug

Launch debugger mode from origin of error

Open traceback to examine the functions that R called before the error occurred



Step through code one line at a time

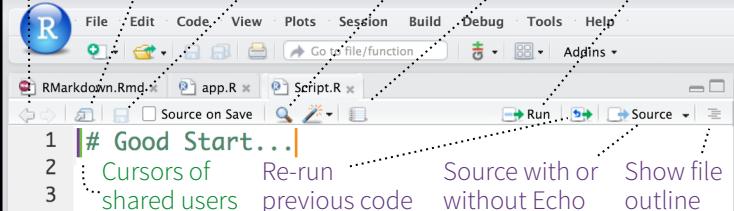
Step into and out of functions to run

Resume execution mode

Quit debug

Write Code

Navigate tabs Open in new window Save Find and replace Compile as notebook Run selected code



Cursors of shared users Re-run previous code Source with or without Echo Show file outline

Multiple cursors/column selection with **Alt + mouse drag**.

Code diagnostics that appear in the margin. Hover over diagnostic symbols for details.

Syntax highlighting based on your file's extension

Tab completion to finish function names, file paths, arguments, and more.

Multi-language code snippets to quickly use common blocks of code.

Jump to function in file

Change file type

Working Directory

Maximize, minimize panes

Drag pane boundaries

R Support

Import data with wizard

History of past commands to run/copy

Display .RPres slideshows **File > New File > R Presentation**



Load workspace Save workspace Delete all saved objects

Search inside environment

Choose environment to display from list of parent environments

Display objects as list or grid

Data Values Functions

150 obs. of 5 variables

a 1

foo function (x)

Displays saved objects by type with short description

View in data viewer View function source code



Files Plots Packages Help Viewer

New Folder Upload Delete Rename More

Copy... Move... Export...

Set As Working Directory Go To Working Directory

Create folder Upload file Delete file Rename file Change directory

Path to displayed directory

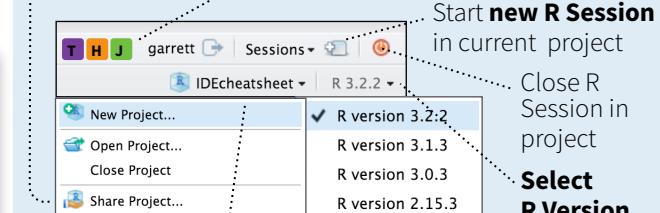
Maximize, minimize panes

Drag pane boundaries

A File browser keyed to your working directory. Click on file or directory name to open.

Pro Features

Share Project Active shared with Collaborators



Start **new R Session** in current project

Close R Session in project

Select R Version

PROJECT SYSTEM **File > New Project**

RStudio saves the call history, workspace, and working directory associated with a project. It reloads each when you re-open a project.

GUI Package manager lists every installed package

Files Plots Packages Help Viewer

New Folder Upload Delete Rename More

Copy... Move... Export...

Set As Working Directory Go To Working Directory

Create reproducible package library for your project

Install Packages Update Packages

scales shiny shinydashboard

Click to load package with **library()**. Unclick to detach package with **detach()**

Package version installed

Delete from library

RStudio opens documentation in a dedicated Help pane

Files Plots Packages Help Viewer

New Folder Upload Delete Rename More

Copy... Move... Export...

Set As Working Directory Go To Working Directory

Home page of helpful links

Search within help file

Search for help file

Viewer Pane displays HTML content, such as Shiny apps, RMarkdown reports, and interactive visualizations

Files Plots Packages Help Viewer

New Folder Upload Delete Rename More

Copy... Move... Export...

Set As Working Directory Go To Working Directory

Stop Shiny app Publish to shinyapps.io, rpubs, RSConnect, ...

Refresh

View(<data>) opens spreadsheet like view of data set

Filter Sepal.Length Sepal.Width Petal.Length Petal.Width Species

All All All All All

1 5.1 3.5 1.4 0.2 setosa

2 4.9 3.0 1.4 0.2 versicolor

3 4.7 3.2 1.3 0.2 virginica

4 4.6 3.1 1.5 0.2

Filter rows by value or value range

Sort by values

Search for value



1 LAYOUT

Move focus to Source Editor
Move focus to Console
Move focus to Help
Show History
Show Files
Show Plots
Show Packages
Show Environment
Show Git/SVN
Show Build

Windows/Linux **Mac**
Ctrl+1 Ctrl+1
Ctrl+2 Ctrl+2
Ctrl+3 Ctrl+3
Ctrl+4 Ctrl+4
Ctrl+5 Ctrl+5
Ctrl+6 Ctrl+6
Ctrl+7 Ctrl+7
Ctrl+8 Ctrl+8
Ctrl+9 Ctrl+9
Ctrl+0 Ctrl+0

2 RUN CODE

Search command history

Navigate command history
Move cursor to start of line
Move cursor to end of line
Change working directory

Interrupt current command

Clear console

Quit Session (desktop only)

Restart R Session

Run current line/selection
Run current (retain cursor)
Run from current to end
Run the current function
Source a file

Source the current file

Source with echo

Windows/Linux **Mac**

Ctrl+↑ **Cmd+↑**
↑/↓ **↑/↓**
Home **Cmd+←**
End **Cmd+→**
Ctrl+Shift+H **Ctrl+Shift+H**

Esc **Esc**
Ctrl+L **Ctrl+L**
Ctrl+Q **Cmd+Q**

Ctrl+Shift+F10 **Cmd+Shift+F10**

Ctrl+Enter **Cmd+Enter**

Alt+Enter Option+Enter

Ctrl+Alt+E Cmd+Option+E

Ctrl+Alt+F Cmd+Option+F

Ctrl+Alt+G Cmd+Option+G

Ctrl+Shift+S **Cmd+Shift+S**

Ctrl+Shift+Enter Cmd+Shift+Enter

4 WRITE CODE

Attempt completion

Navigate candidates
Accept candidate
Dismiss candidates
Undo
Redo
Cut
Copy
Paste
Select All
Delete Line

Select

Select Word

Select to Line Start

Select to Line End

Select Page Up/Down

Select to Start/End

Delete Word Left

Delete Word Right

Delete to Line End

Delete to Line Start

Indent

Outdent

Yank line up to cursor

Yank line after cursor

Insert yanked text

Insert <->

Insert %>%

Show help for function

Show source code

New document

New document (Chrome)

Open document

Save document

Close document

Close document (Chrome)

Close all documents

Extract function

Extract variable

Reindent lines

(Un)Comment lines

Reflow Comment

Reformat Selection

Select within braces

Show Diagnostics

Transpose Letters

Move Lines Up/Down

Copy Lines Up/Down

Add New Cursor Above

Add New Cursor Below

Move Active Cursor Up

Move Active Cursor Down

Find and Replace

Use Selection for Find

Replace and Find

Windows /Linux

Tab or Ctrl+Space

↑/↓
Enter, Tab, or →
Esc
Ctrl+Z
Ctrl+Shift+Z
Ctrl+X
Cmd+C
Cmd+V
Cmd+A
Cmd+D
Shift+[Arrow]
Option+Shift+ ←/→
Alt+Shift+ ←
Alt+Shift+ →
Shift+PageUp/Down
Shift+Alt+ ↑/↓
Ctrl+Backspace
Option+Delete
Ctrl+K
Option+Backspace
Tab (at start of line)
Shift+Tab
Ctrl+U
Ctrl+K
Ctrl+Y
Alt+-
Ctrl+Shift+M
F1
F2
Cmd+Shift+N
Ctrl+Alt+Shift+N
Ctrl+O
Ctrl+S
Ctrl+W
Cmd+Option+W
Cmd+Shift+W
Ctrl+Alt+X
Cmd+Option+V
Cmd+I
Ctrl+Shift+C
Ctrl+Shift+/
Ctrl+Shift+A
Ctrl+Shift+E
Ctrl+Shift+E
Cmd+Shift+Opt+P
Ctrl+T
Option+ ↑/↓
Shift+Alt+ ↑/↓
Cmd+Option+ ↑/↓
Ctrl+Option+Up
Ctrl+Option+Down
Ctrl+Option+Shift+Up
Ctrl+Opt+Shift+Down
Ctrl+F
Ctrl+F3
Ctrl+Shift+J
Cmd+F
Cmd+E
Cmd+Shift+J

Mac

Tab or Cmd+Space

↑/↓
Enter, Tab, or →
Esc
Cmd+Z
Cmd+Shift+Z
Cmd+X
Cmd+C
Cmd+V
Cmd+A
Cmd+D
Shift+[Arrow]
Option+Shift+ ←/→
Cmd+Shift+ ←
Cmd+Shift+ →
Shift+PageUp/Down
Cmd+Shift+ ↑/↓
Ctrl+Opt+Backspace
Option+Delete
Ctrl+K
Option+Backspace
Tab (at start of line)
Shift+Tab
Ctrl+U
Ctrl+K
Ctrl+Y
Alt+-
Cmd+Shift+M
F1
F2
Cmd+Shift+N
Cmd+Shift+Opt+N
Cmd+O
Cmd+S
Cmd+W
Cmd+Option+W
Cmd+Shift+W
Cmd+Option+X
Cmd+Option+V
Cmd+I
Cmd+Shift+C
Cmd+Shift+/
Cmd+Shift+A
Cmd+Shift+E
Cmd+Shift+E
Cmd+Shift+Opt+P
Ctrl+T
Option+ ↑/↓
Shift+Alt+ ↑/↓
Cmd+Option+ ↑/↓
Ctrl+Option+Up
Ctrl+Option+Down
Ctrl+Option+Shift+Up
Ctrl+Opt+Shift+Down
Ctrl+F
Cmd+F
Cmd+E
Cmd+Shift+J

WHY RSTUDIO SERVER PRO?

RSP extends the open source server with a commercial license, support, and more:

- open and run multiple R sessions at once
- tune your resources to improve performance
- edit the same project at the same time as others
- see what you and others are doing on your server
- switch easily from one version of R to a different version
- integrate with your authentication, authorization, and audit practices

Download a free 45 day evaluation at
www.rstudio.com/products/rstudio-server-pro/

5 DEBUG CODE

Windows/Linux	Mac
Toggle Breakpoint	Shift+F9
Execute Next Line	F10
Step Into Function	Shift+F4
Finish Function/Loop	Shift+F6
Continue	Shift+F5
Stop Debugging	Shift+F8

6 VERSION CONTROL

Windows/Linux	Mac
Show diff	Ctrl+Alt+D
Commit changes	Ctrl+Alt+M
Scroll diff view	Ctrl+ ↑/↓
Stage/Unstage (Git)	Spacebar
Stage/Unstage and move to next	Enter

7 MAKE PACKAGES

Windows/Linux	Mac
Build and Reload	Ctrl+Shift+B
Load All (devtools)	Cmd+Shift+L
Test Package (Desktop)	Cmd+Shift+T
Test Package (Web)	Ctrl+Alt+F7
Check Package	Ctrl+Shift+E
Document Package	Cmd+Shift+D

8 DOCUMENTS AND APPS

Windows/Linux	Mac
Preview HTML (Markdown, etc.)	Ctrl+Shift+K
Knit Document (knitr)	Cmd+Shift+K
Compile Notebook	Ctrl+Shift+K
Compile PDF (TeX and Sweave)	Ctrl+Shift+K
Insert chunk (Sweave and Knitr)	Ctrl+Alt+I
Insert code section	Ctrl+Shift+R
Re-run previous region	Ctrl+Shift+P
Run current document	Ctrl+Alt+R
Run from start to current line	Cmd+Option+B
Run the current code section	Cmd+Option+T
Run previous Sweave/Rmd code	Ctrl+Alt+P
Run the current chunk	Ctrl+Alt+C
Run the next chunk	Ctrl+Alt+N
Sync Editor & PDF Preview	Ctrl+F8
Previous plot	Ctrl+Alt+F11
Next plot	Ctrl+Alt+F12
Show Keyboard Shortcuts	Alt+Shift+K
	Option+Shift+K