

RStudio IDE :: CHEAT SHEET



Documents and Apps

Open Shiny, R Markdown, knitr, Sweave, LaTeX, .Rd files and more in Source Pane

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

Write Code

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

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

Displays saved objects by type with short description, View in data viewer, View function source code

Create folder, Upload file, Delete file, Rename file, Change directory

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

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, Press **↑** to see command history, Drag pane boundaries

Pro Features

Share Project with Collaborators, Active shared 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.

RStudio opens plots in a dedicated Plots pane

Navigate recent plots, Open in window, **Export plot**, Delete plot, Delete all plots

GUI Package manager lists every installed package

Install Packages, Update Packages, Create reproducible package library for your project

Click to load package with **library()**. Unclick to detach package with **detach()**, Package version installed, Delete from library

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

Version Control with Git or SVN

Turn on at **Tools > Project Options > Git/SVN**

Stage files, Show file diff, Commit staged files, Push/Pull to remote, View History

Added, Deleted, Modified, Renamed, Untracked

Open shell to type commands, current branch

Package Writing

File > New Project > New Directory > R Package

Turn project into package, Enable roxygen documentation with **Tools > Project Options > Build Tools**

Roxygen guide at **Help > Roxygen Quick Reference**

RStudio opens documentation in a dedicated Help pane

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

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

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

	Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	Species
1	5.1	3.5	1.4	0.2	setosa
2					
3					
4					

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+2
Ctrl+3
Ctrl+4
Ctrl+5
Ctrl+6
Ctrl+7
Ctrl+8
Ctrl+9
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+↑
↑/↓
Home
End
Ctrl+Shift+H
Esc
Ctrl+L
Ctrl+Q
Ctrl+Shift+F10
Ctrl+Enter
Alt+Enter
Ctrl+Alt+E
Ctrl+Alt+F
Ctrl+Alt+G
Ctrl+Shift+S
Ctrl+Shift+Enter

3 NAVIGATE CODE

Goto File/Function

Fold Selected
Unfold Selected
Fold All
Unfold All
Go to line
Jump to
Switch to tab
Previous tab
Next tab
First tab
Last tab
Navigate back
Navigate forward
Jump to Brace
Select within Braces
Use Selection for Find
Find in Files
Find Next
Find Previous
Jump to Word
Jump to Start/End
Toggle Outline

Windows /Linux

Ctrl+.
Alt+L
Shift+Alt+L
Alt+O
Shift+Alt+O
Shift+Alt+G
Shift+Alt+J
Ctrl+Shift+.
Ctrl+F11
Ctrl+F12
Ctrl+Shift+F11
Ctrl+Shift+F12
Ctrl+F9
Ctrl+F10
Ctrl+P
Ctrl+Shift+Alt+E
Ctrl+F3
Ctrl+Shift+F
Win: F3, Linux: Ctrl+G
W: Shift+F3, L:
Ctrl+↔
Ctrl+↑/↓
Ctrl+Shift+O

Mac

Ctrl+.
Cmd+Option+L
Cmd+Shift+Option+L
Cmd+Option+O
Cmd+Shift+Option+O
Cmd+Shift+Option+G
Cmd+Shift+Option+J
Ctrl+Shift+.
Ctrl+F11
Ctrl+F12
Ctrl+Shift+F11
Ctrl+Shift+F12
Cmd+F9
Cmd+F10
Ctrl+P
Ctrl+Shift+Option+E
Cmd+E
Cmd+Shift+F
Cmd+G
Cmd+Shift+G
Option+↔
Cmd+↑/↓
Cmd+Shift+O

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
Ctrl+C
Ctrl+V
Ctrl+A
Ctrl+D
Shift+[Arrow]
Ctrl+Shift+↔
Alt+Shift+←
Alt+Shift+→
Shift+PageUp/Down
Shift+Alt+↑/↓
Ctrl+Backspace

Tab (at start of line)
Shift+Tab
Ctrl+U
Ctrl+K
Ctrl+Y

Alt+- Ctrl+Shift+M

F1
F2
Ctrl+Shift+N
Ctrl+Alt+Shift+N
Ctrl+O
Ctrl+S
Ctrl+W
Ctrl+Alt+W
Ctrl+Shift+W
Ctrl+Alt+X
Ctrl+Alt+V
Ctrl+I
Ctrl+Shift+C
Ctrl+Shift+/
Ctrl+Shift+A
Ctrl+Shift+E
Ctrl+Shift+Alt+P

Alt+↑/↓
Shift+Alt+↑/↓
Ctrl+Alt+Up
Ctrl+Alt+Down
Ctrl+Alt+Shift+Up
Ctrl+Alt+Shift+Down
Ctrl+F
Ctrl+F3
Ctrl+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

Option+- 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
Ctrl+Shift+E
Cmd+Shift+Opt+P
Ctrl+T
Option+↑/↓
Cmd+Option+↑/↓
Ctrl+Option+Up
Ctrl+Option+Down
Ctrl+Option+Shift+Up
Ctrl+Opt+Shift+Down
Cmd+F
Cmd+E
Cmd+Shift+J

WHY RSTUDIO SERVER PRO?

RSP extends the 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

Toggle Breakpoint
Execute Next Line
Step Into Function
Finish Function/Loop
Continue
Stop Debugging

Windows/Linux Mac

Shift+F9
F10
Shift+F4
Shift+F6
Shift+F5
Shift+F8
Shift+F9
F10
Shift+F4
Shift+F6
Shift+F5
Shift+F8

6 VERSION CONTROL

Show diff
Commit changes
Scroll diff view
Stage/Unstage (Git)
Stage/Unstage and move to next

Windows/Linux Mac

Ctrl+Alt+D
Ctrl+Alt+M
Ctrl+↑/↓
Spacebar
Enter
Ctrl+Option+D
Ctrl+Option+M
Ctrl+↑/↓
Spacebar
Enter

7 MAKE PACKAGES

Build and Reload

Load All (devtools)

Test Package (Desktop)

Test Package (Web)

Check Package

Document Package

Windows/Linux Mac

Ctrl+Shift+B
Ctrl+Shift+L
Ctrl+Shift+T
Ctrl+Alt+F7
Ctrl+Shift+E
Ctrl+Shift+D
Cmd+Shift+B
Cmd+Shift+L
Cmd+Shift+T
Cmd+Opt+F7
Cmd+Shift+E
Cmd+Shift+D

8 DOCUMENTS AND APPS

Preview HTML (Markdown, etc.)

Knit Document (knitr)

Compile Notebook
Compile PDF (TeX and Sweave)
Insert chunk (Sweave and Knitr)
Insert code section
Re-run previous region
Run current document

Run from start to current line

Run the current code section

Run previous Sweave/Rmd code
Run the current chunk
Run the next chunk
Sync Editor & PDF Preview
Previous plot
Next plot

Show Keyboard Shortcuts

Windows/Linux Mac

Ctrl+Shift+K
Ctrl+Shift+K
Ctrl+Shift+K
Ctrl+Alt+I
Ctrl+Shift+R
Ctrl+Shift+P
Ctrl+Alt+R
Ctrl+Alt+B
Ctrl+Alt+T
Ctrl+Alt+P
Ctrl+Alt+C
Ctrl+Alt+N
Ctrl+F8
Ctrl+Alt+F11
Ctrl+Alt+F12
Alt+Shift+K
Cmd+Shift+K
Cmd+Shift+K
Cmd+Shift+K
Cmd+Option+I
Cmd+Shift+R
Cmd+Shift+P
Cmd+Option+R
Cmd+Option+B
Cmd+Option+T
Cmd+Option+P
Cmd+Option+C
Cmd+Option+N
Cmd+F8
Cmd+Option+F11
Cmd+Option+F12
Option+Shift+K

