

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

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

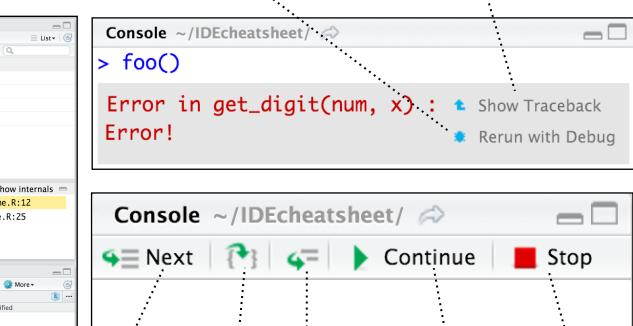
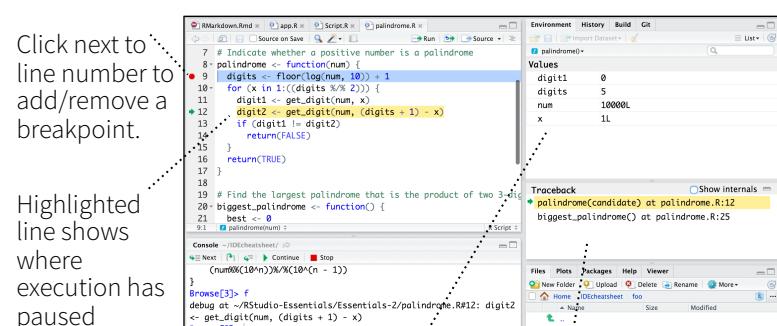
Run commands in environment where execution has paused

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

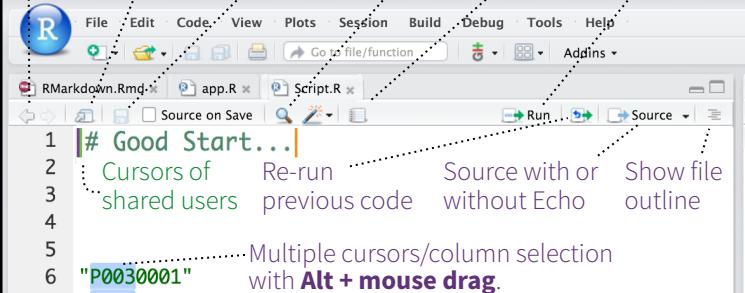
Resume

Quit debug

execution mode

Write Code

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



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

Path to displayed directory

Press **↑** to see command history

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

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

150 obs. of 5 variables

Values

1

Functions

function (x)

Displays saved objects by type with short description

View in data

View function source code

Files

Plots

Packages

Help

Viewer

New Folder

Upload

Delete

Rename

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

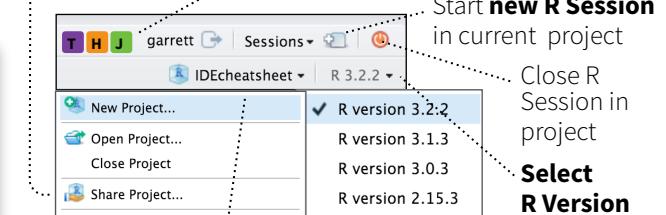
Working Directory

Press **↑** to see command history

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

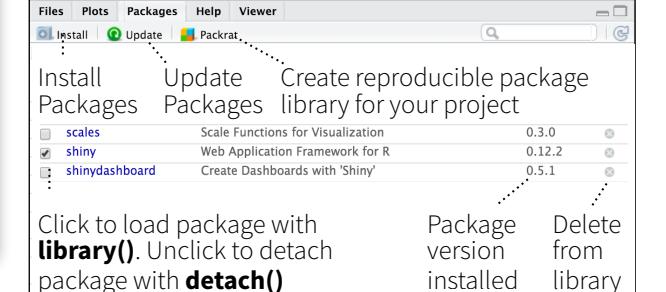
Select R Version

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



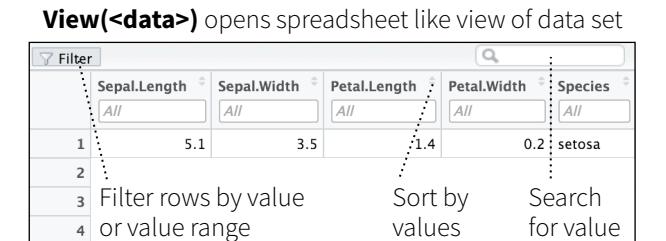
Click to load package with **library()**. Unclick to detach package with **detach()**

Package version installed

Delete from library



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



Version Control

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

Stage files:

Show file diff

Commit staged files to remote

Push/Pull

View History

Added

Deleted

Modified

Renamed

Untracked

Staged

Status

Path

Revert...

Ignore...

Shell...

Open shell to type commands

master

current branch

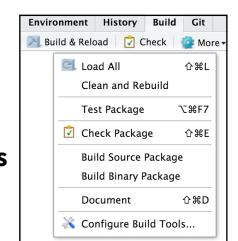
Package Writing

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



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**

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

Mac

Alt+L **Cmd+Option+L**
Shift+Alt+L **Cmd+Shift+Option+L**
Alt+O **Cmd+Option+O**
Shift+Alt+O **Cmd+Shift+Option+O**
Shift+Alt+G **Cmd+Shift+Option+G**
Shift+Alt+J **Cmd+Shift+Option+J**
Ctrl+Shift+. **Ctrl+Shift+.**
Ctrl+F11 **Ctrl+F11**
Ctrl+F12 **Ctrl+F12**
Ctrl+Shift+F11 **Ctrl+Shift+F11**
Ctrl+Shift+F12 **Ctrl+Shift+F12**
Ctrl+F9 **Ctrl+F9**
Ctrl+F10 **Ctrl+F10**
Ctrl+P **Ctrl+P**
Ctrl+Shift+Alt+E **Ctrl+Shift+Option+E**
Ctrl+E **Cmd+E**
Ctrl+G **Cmd+Shift+F**
Ctrl+Alt+G **Cmd+G**
W: Shift+F3, L: **Cmd+Shift+G**
Ctrl+←/→ **Option+←/→**
Ctrl+↑/↓ **Cmd+↑/↓**
Ctrl+Shift+O **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+-

Option+-

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+Option+V

Ctrl+I

Ctrl+Shift+C

Ctrl+Shift+/-

Ctrl+Shift+A

Ctrl+Shift+E

Ctrl+Shift+Opt+P

Ctrl+T

Alt+↑/↓

Shift+Alt+↑/↓

Ctrl+Option+↑/↓

Ctrl+Alt+Up

Ctrl+Option+Down

Ctrl+Alt+Shift+Up

Ctrl+Option+Shift+Up

Ctrl+Opt+Shift+Down

Ctrl+T

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

Tab (at start of line)

Shift+Tab

Ctrl+U

Ctrl+K

Ctrl+Y

Ctrl+K

Option+Delete

Ctrl+K

Option+Backspace

Tab (at start of line)

Shift+Tab

Ctrl+U

Ctrl+K

Ctrl+Y

Alt+-

Option+-

Cmd+Shift+M

F1

F2

Cmd+Shift+N

Cmd+Shift+Opt+N

Cmd+O

Cmd+S

Cmd+W

Cmd+Alt+W

Cmd+Shift+W

Cmd+Alt+X

Cmd+Option+V

Cmd+I

Cmd+Shift+C

Cmd+Shift+/-

Cmd+Shift+A

Cmd+Shift+E

Cmd+Shift+Opt+P

Cmd+T

Alt+↑/↓

Shift+Alt+↑/↓

Cmd+Option+↑/↓

Cmd+Alt+Up

Cmd+Option+Down

Cmd+Alt+Shift+Up

Cmd+Option+Shift+Up

Cmd+Opt+Shift+Down

Cmd+T

Cmd+F