

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

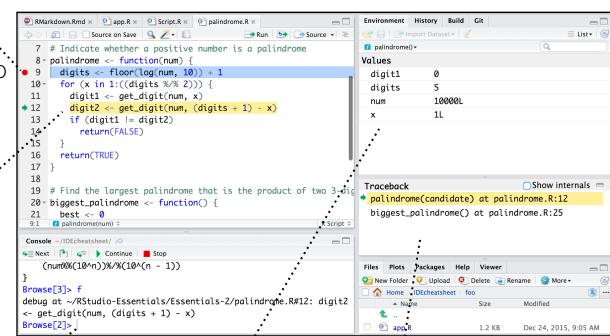
Click next to line number to add/remove a breakpoint.

Highlighted line shows where execution has paused

Run commands in environment where execution has paused

Examine variables in executing environment

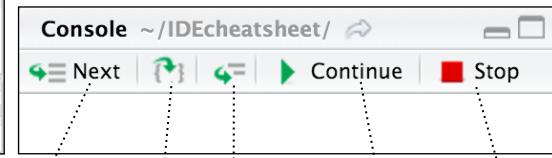
Select function in traceback to debug



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

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

Display objects as list or grid

Choose environment to display from list of parent environments

 Data

Values

Functions

View in data viewer

View function source code

Displays saved objects by type with short description

Change file type

Jump to function in file

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.

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.

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 

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

 Filter rows by value or value range  Sort by values  Search for value

Version Control with Git or SVN

 Stage files:

 Added

 Deleted

 Modified

 Renamed

 Untracked

Show file diff 

Commit staged files to remote 

Push/Pull staged files to remote 

View History 

Environment History Git

Diff Commit Staged Status Path

Revert... Ignore... Shell...

Open shell to type commands

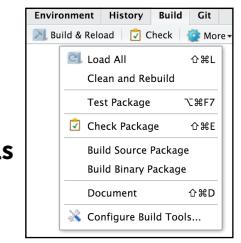
master current branch

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 Cmd+F9

Ctrl+F10 Cmd+F10

Ctrl+P Ctrl+P

Ctrl+Shift+Alt+E Ctrl+Shift+Option+E

Ctrl+F3 Cmd+E

Ctrl+Shift+F Cmd+Shift+F

Win: F3, Linux: Ctrl+G Cmd+G

W: Shift+F3, L: Cmd+Shift+G

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

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

Windows /Linux

Mac

Tab (at start of line)

Shift+Tab

Ctrl+U

Ctrl+K

Ctrl+Y

Alt+-

Option+-

Cmd+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+X

Ctrl+Alt+V

Cmd+I

Ctrl+Shift+C

Ctrl+Shift+/

Ctrl+Shift+A

Ctrl+Shift+E

Ctrl+Shift+E

Cmd+Shift+Opt+P

Ctrl+T

Alt+↑/↓

Shift+Alt+↑/↓

Ctrl+Option+↑/↓

Ctrl+Alt+Up

Ctrl+Option+Down

Ctrl+Option+Shift+Up

Ctrl+Opt+Shift+Down

Ctrl+Shift+Opt+Shift+Down

Ctrl+F

Ctrl+F3

Ctrl+Shift+J

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

Toggle Breakpoint

Execute Next Line

Step Into Function

Finish Function/Loop

Continue

Stop Debugging

Windows/Linux Mac

Shift+F9 Shift+F9

F10 F10

Shift+F4 Shift+F4

Shift+F6 Shift+F6

Shift+F5 Shift+F5

Shift+F8 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+Option+D

Ctrl+Alt+M Ctrl+Option+M

Ctrl+↑/↓ Spacebar

Spacebar Enter

7 MAKE PACKAGES

Build and Reload