

# 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

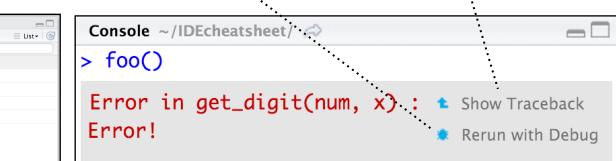
Run commands in environment where execution has paused

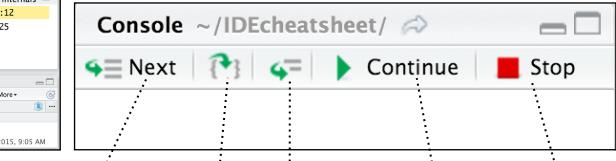
Examine variables in executing environment

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

 Error in get\_digit(num, x) :  
Error!

 Step through code one line at a time

Step into and out of functions to run

Resume execution mode

## R Support

 Import data with wizard

History of past commands to run/copy

 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

 Path to displayed directory

 Change file type

 Maximize, minimize panes

 Drag pane boundaries

 Working Directory

 Press ↑ to see command history

 Stage files:

 Show file diff

 Commit staged files to remote

 Push/Pull to remote

 View 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  
Files Plots Packages Help Viewer  
Navigate Open in recent plots Export plot Delete plot Delete all plots

 GUI Package manager lists every installed package  
Files Plots Packages Help Viewer  
Install Packages Update Packages Create reproducible package library for your project  
scales shiny shinydashboard Scale Functions for Visualization 0.3.0  
Web Application Framework for R Create Dashboards with 'Shiny' 0.12.2  
Create Dashboards with 'Shiny' 0.5.1  
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  
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  
Stop Shiny app Publish to shinyapps.io, rpubs, RSConnect, ... Refresh

 View(<data>) opens spreadsheet like view of data set  
Files Plots Packages Help Viewer  
Filter Sepal.Length Sepal.Width Petal.Length Petal.Width Species  
1 All 5.1 3.5 1.4 0.2 setosa  
2 All All All All  
3 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 (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 Alt+L  
Unfold Selected Shift+Alt+L  
Fold All Alt+O  
Unfold All Shift+Alt+O  
Go to line Shift+Alt+G  
Jump to Shift+Alt+J  
Switch to tab Ctrl+Shift+.  
Previous tab Ctrl+F11  
Next tab Ctrl+F12  
First tab Ctrl+Shift+F11  
Last tab Ctrl+Shift+F12  
Navigate back Ctrl+F9  
Navigate forward Ctrl+F10  
Jump to Brace Ctrl+P  
Select within Braces Ctrl+Shift+Alt+E  
Use Selection for Find Ctrl+F3  
Find in Files Ctrl+Shift+F  
Find Next Win: F3, Linux: Ctrl+G  
Find Previous W: Shift+F3, L:  
Jump to Word Ctrl+←/→  
Jump to Start/End Ctrl+↑/↓  
Toggle Outline Ctrl+Shift+O

**Windows /Linux**

**Mac** Ctrl+.  
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  
Ctrl+F9  
Ctrl+F10  
Ctrl+P  
Ctrl+Shift+Alt+E  
Cmd+E  
Cmd+Shift+F  
Cmd+G  
Cmd+Shift+G  
Option+←/→  
Cmd+↑/↓  
Ctrl+Shift+O

## 4 WRITE CODE

### Attempt completion

Navigate candidates  
Accept candidate  
Dismiss candidates  
Undo Ctrl+Z  
Redo Ctrl+Shift+Z  
Cut Ctrl+X  
Copy Ctrl+C  
Paste Ctrl+V  
Select All Ctrl+A  
Delete Line Ctrl+D

Select Shift+[Arrow]  
Select Word Ctrl+Shift+←/→

Select to Line Start Alt+Shift+←

Select to Line End Alt+Shift+→

Select Page Up/Down Shift+PageUp/Down

Select to Start/End Shift+Alt+↑/↓

Delete Word Left Ctrl+Backspace

Delete Word Right

Delete to Line End

Delete to Line Start

Indent Tab (at start of line)

Outdent Shift+Tab

Yank line up to cursor Ctrl+U

Yank line after cursor Ctrl+K

Insert yanked text Ctrl+Y

**Insert <-**

**Insert %>%**

Show help for function F1

Show source code F2

New document Ctrl+Shift+N

New document (Chrome) Ctrl+Alt+Shift+N

Open document Ctrl+O

Save document Ctrl+S

Close document Ctrl+W

Close document (Chrome) Ctrl+Alt+W

Close all documents Ctrl+Shift+W

Extract function Ctrl+Alt+X

Extract variable Ctrl+Alt+V

Reindent lines Ctrl+I

**(Un)Comment lines**

Reflow Comment Ctrl+Shift+/

Reformat Selection Ctrl+Shift+A

Select within braces Ctrl+Shift+E

Show Diagnostics Ctrl+Shift+Alt+P

Transpose Letters Ctrl+T

Move Lines Up/Down Alt+↑/↓

Copy Lines Up/Down Shift+Alt+↑/↓

Add New Cursor Above Ctrl+Alt+Up

Add New Cursor Below Ctrl+Alt+Down

Move Active Cursor Up Ctrl+Alt+Shift+Up

Move Active Cursor Down Ctrl+Alt+Shift+Down

Find and Replace Ctrl+F

Use Selection for Find Ctrl+F3

Replace and Find Ctrl+Shift+J

## Windows /Linux

### Tab or Ctrl+Space

↑/↓ Enter, Tab, or → Esc Ctrl+Z  
Ctrl+Shift+Z  
Cmd+X  
Cmd+C  
Cmd+V  
Cmd+A  
Cmd+D  
Shift+[Arrow]

Option+Shift+ ←/→

Alt+Shift+←

Alt+Shift+→

Shift+PageUp/Down

Shift+Alt+↑/↓

Ctrl+Opt+Backspace

Option+Delete

Ctrl+K

Option+Backspace

Tab (at start of line)

Shift+Tab

Ctrl+U

Ctrl+K

Ctrl+Y

**Alt+-**

**Option+-**

**Ctrl+Shift+M**

F1

F2

Cmd+Shift+N

Cmd+Shift+Opt+N

Cmd+O

Cmd+S

Cmd+W

Cmd+Option+W

Cmd+Shift+W

Cmd+Alt+X

Cmd+Option+X

Cmd+Option+V

Cmd+I

**Ctrl+Shift+C**

Ctrl+Shift+/

Ctrl+Shift+A

Ctrl+Shift+E

Ctrl+Shift+Opt+P

Ctrl+T

Option+↑/↓

Shift+Alt+↑/↓

Cmd+Option+↑/↓

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

Shift+Alt+↑/↓

Ctrl+Opt+Backspace

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+Option+W

Cmd+Shift+W

Cmd+Alt+X

Cmd+Option+X

Cmd+I

**Ctrl+Shift+C**

Ctrl+Shift+/

Ctrl+Shift+A

Ctrl+Shift+E

Ctrl+Shift+Opt+P

Ctrl+T

Alt+↑/↓

Shift+Alt+↑/↓

Cmd+Option+↑/↓

Ctrl+Alt+Up

Ctrl+Alt+Down

Ctrl+Alt+Shift+Up

Ctrl+Alt+Shift+Down

Ctrl+F

Ctrl+F3

Ctrl+Shift+J

## WHY RSTUDIO SERVER PRO?

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