

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

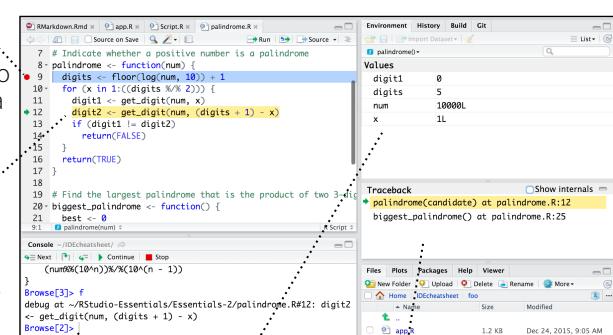
Debug Mode

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

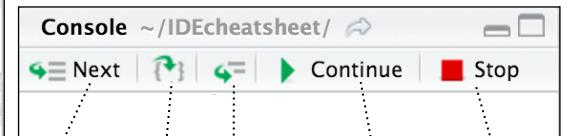
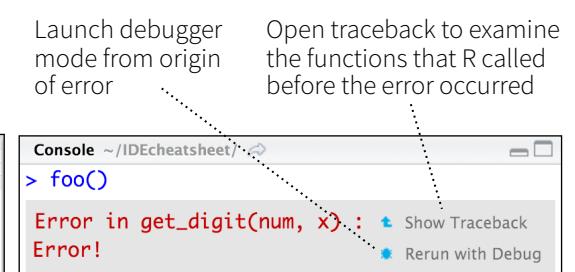
Run commands in environment where execution has paused



Examine variables in executing environment

Select function in traceback to debug

Launch debugger mode from origin of error



Step through code one line at a time

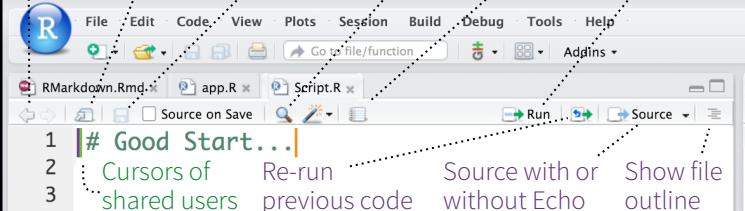
Step into and out of functions to run

Resume execution mode

Quit debug mode

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

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

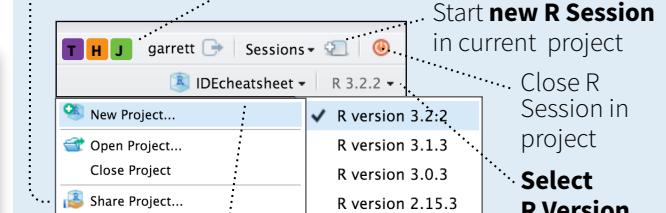
Maximize, minimize panes

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

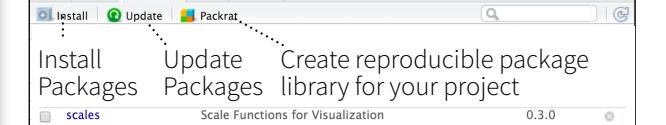
RStudio saves the call history, workspace, and working directory associated with a project. It reloads each when you re-open a project.

RStudio opens plots in a dedicated Plots pane



Open in recent plots 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

scales shiny shinydashboard

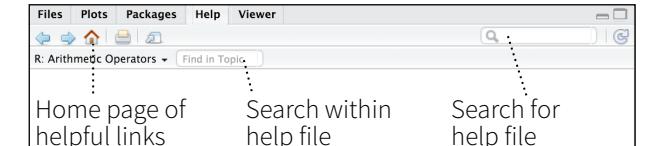
Scale Functions for Visualization Web Application Framework for R Create Dashboards with 'Shiny'

0.3.0 0.12.2 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



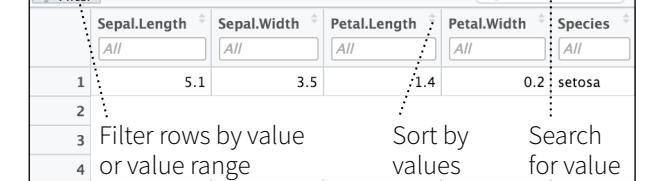
Home page of helpful links Search within help file Search for help file

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



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

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]

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+-

Ctrl+Shift+M

F1

F2

Cmd+Shift+N

Ctrl+Alt+Shift+N

Ctrl+O

Ctrl+S

Cmd+S

Ctrl+W

Cmd+Option+W

Ctrl+Shift+W

Ctrl+Alt+X

Cmd+Option+X

Ctrl+Alt+V

Cmd+Option+V

Ctrl+I

Ctrl+Shift+C

Ctrl+Shift+/

Ctrl+Shift+A

Ctrl+Shift+E

Ctrl+Shift+E

Cmd+Shift+Opt+P

Ctrl+T

Alt+↑/↓

Shift+Alt+↑/↓

Cmd+Option+↑/↓

Ctrl+Option+Up

Ctrl+Option+Down

Ctrl+Option+Shift+Up

Ctrl+Opt+Shift+Down

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+-

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

Cmd+Shift+C

Cmd+Shift+/

Cmd+Shift+A

Cmd+Shift+E

Cmd+Shift+E

Cmd+Shift+Opt+P

Cmd+T

Option+↑/↓

Shift+Alt+↑/↓

Cmd+Option+↑/↓

Ctrl+Option+Up

Ctrl+Option+Down

Ctrl+Option+Shift+Up

Ctrl+Opt+Shift+Down

Ctrl+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

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