

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.

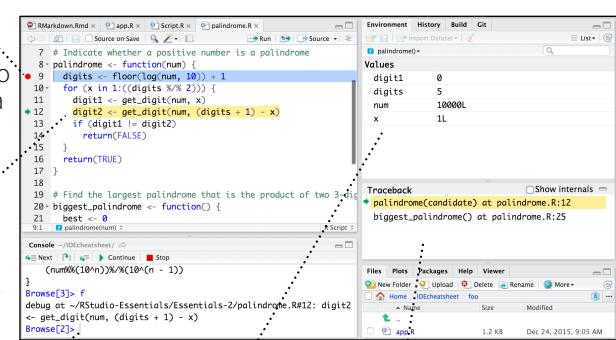
Click next to line number to add/remove a breakpoint.

Highlighted line shows where execution has paused

Run commands in environment where execution has paused

Examine variables in executing environment

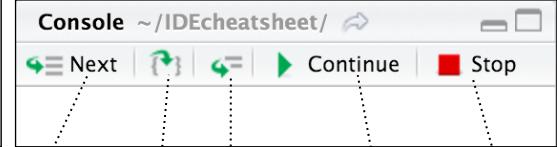
Select function in traceback to debug



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 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

Choose environment to display from list of parent environments

Display objects as list or grid

 Data

150 obs. of 5 variables

 Values

a 1

 Functions

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

More

Create folder

Upload file

Delete file

Rename file

Set As Working Directory

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

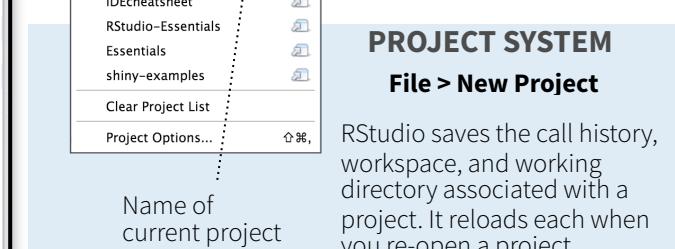
 Share Project

Active shared with Collaborators

Start new R Session in current project

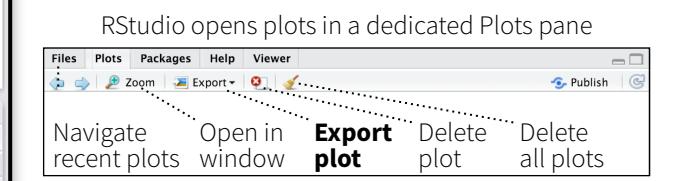
Close R Session in project

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.

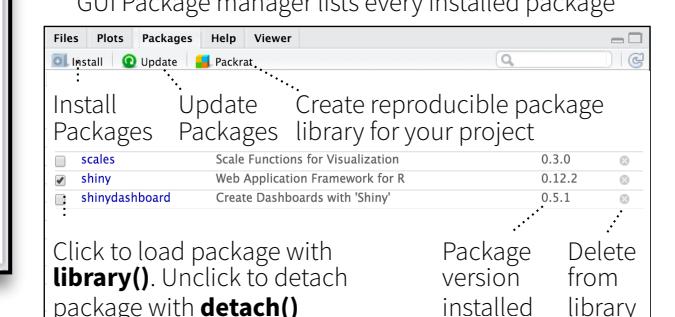


RStudio opens plots in a dedicated Plots pane

Export plot

Delete plot

Delete all plots



Install Packages

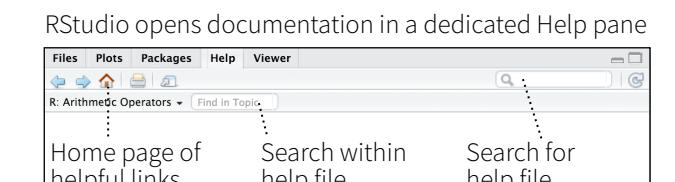
Update Packages

Create reproducible package library for your project

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

Package version installed

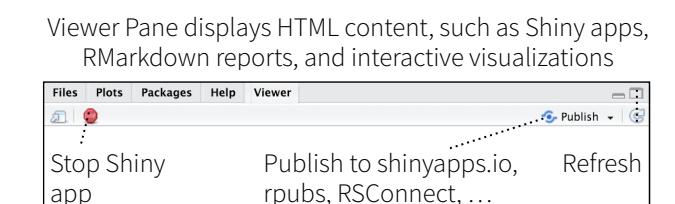
Delete from library



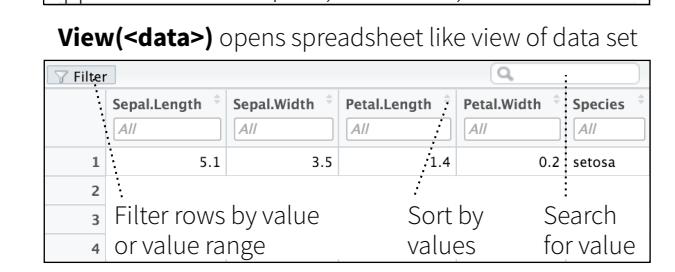
Home page of helpful links

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

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+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 (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

Mac

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
Cmd+G
Cmd+Shift+G
Option+←/→
Ctrl+↑/↓
Ctrl+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
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
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+E
Ctrl+Shift+Opt+P
Ctrl+T
Alt+↑/↓
Shift+Alt+↑/↓
Cmd+Option+↑/↓
Ctrl+Option+Up
Ctrl+Option+Down
Ctrl+Alt+Shift+Up
Ctrl+Alt+Shift+Down
Ctrl+Opt+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
Alt+-
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+E
Cmd+Shift+Opt+P
Ctrl+T
Option+↑/↓
Shift+Alt+↑/↓
Cmd+Option+↑/↓
Ctrl+Option+Up
Ctrl+Option+Down
Ctrl+Alt+Shift+Up
Ctrl+Alt+Shift+Down
Ctrl+Opt+Shift+Down
Cmd+F
Cmd+E
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+↑/↓	Ctrl+↑/↓
Spacebar	Spacebar
Enter	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	Cmd+Shift+B
Ctrl+Shift+L	Cmd+Shift+L
Ctrl+Shift+T	Cmd+Shift+T
Ctrl+Alt+F7	Cmd+Opt+F7
Ctrl+Shift+E	Cmd+Shift+E
Ctrl+Shift+D	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
Alt+Shift+K

Windows/Linux Mac

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