

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

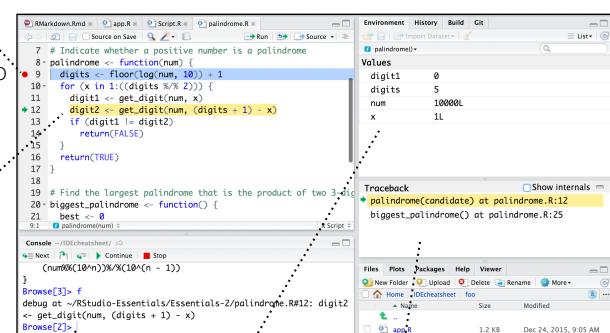
Click next to line number to add/remove a breakpoint.

Highlighted line shows where execution has paused

Run commands in environment where execution has paused

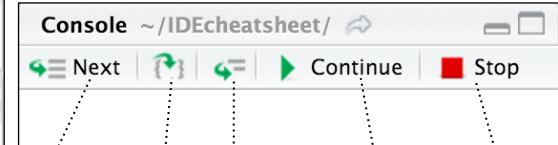
Examine variables in executing environment

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

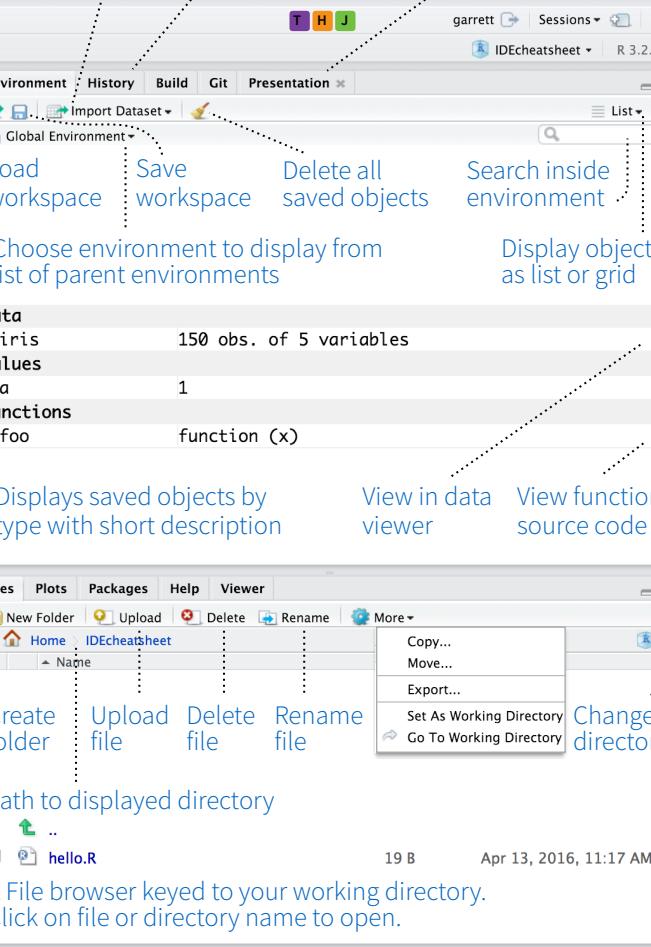
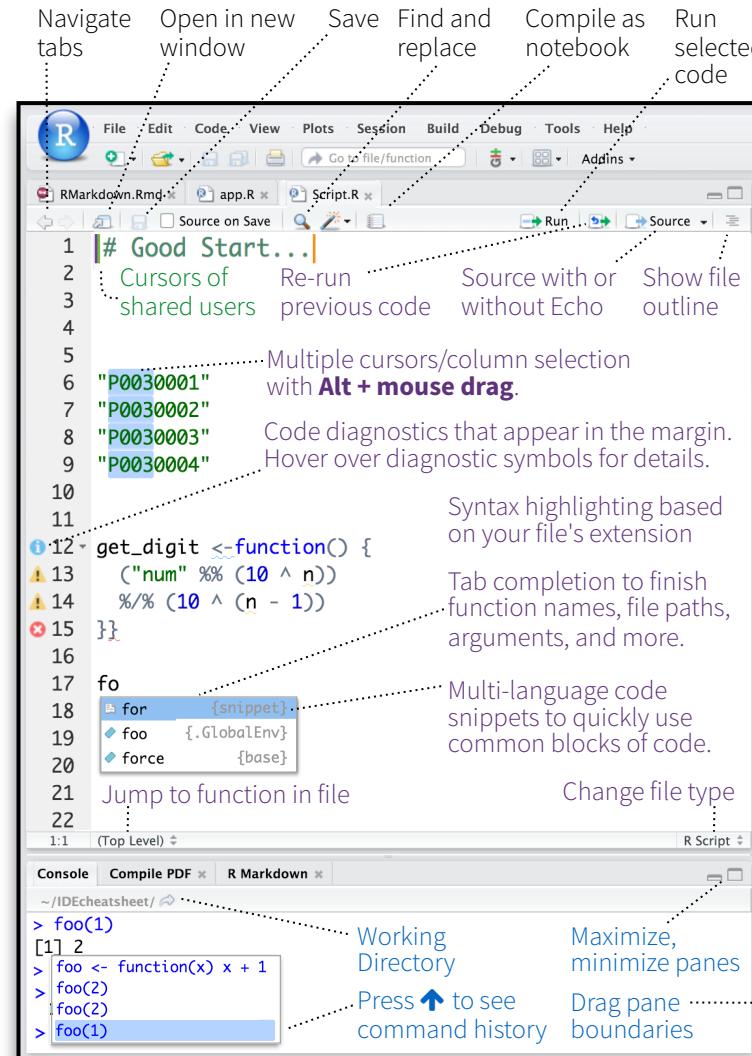
Resume execution mode

R Support

Import data with wizard

History of past commands to run/copy

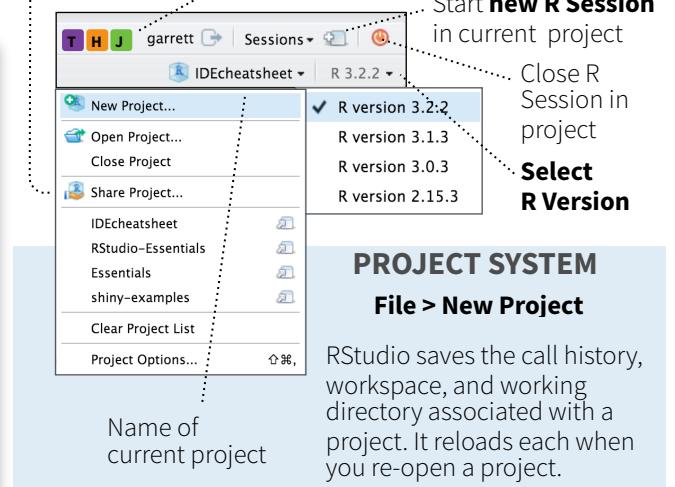
Display .RPres slideshows
File > New File > R Presentation



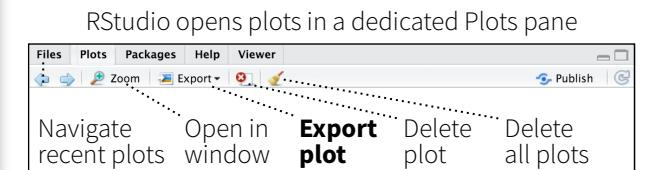
Pro Features

Share Project Active shared with Collaborators

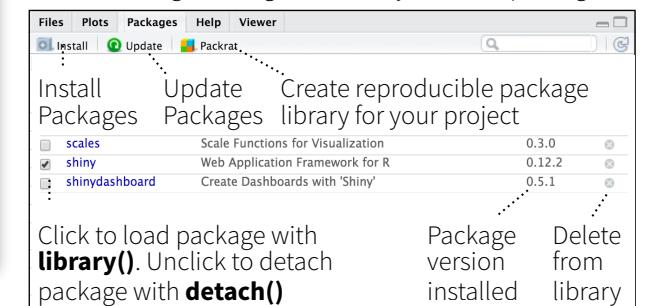
Start **new R Session** in current project
Close R Session in project
Select R Version



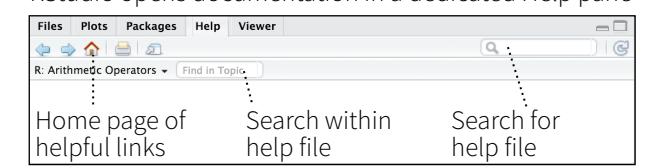
RStudio saves the call history, workspace, and working directory associated with a project. It reloads each when you re-open a project.



RStudio opens plots in a dedicated Plots pane



RStudio Package manager lists every installed package



RStudio opens documentation in a dedicated Help pane

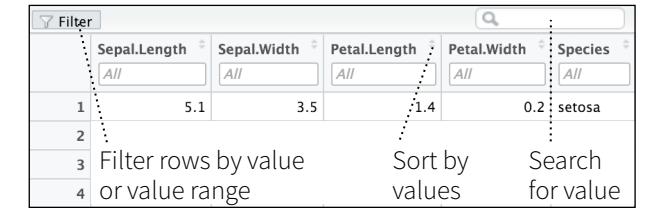


Viewer Pane displays HTML content, such as Shiny apps, RMarkdown reports, and interactive visualizations



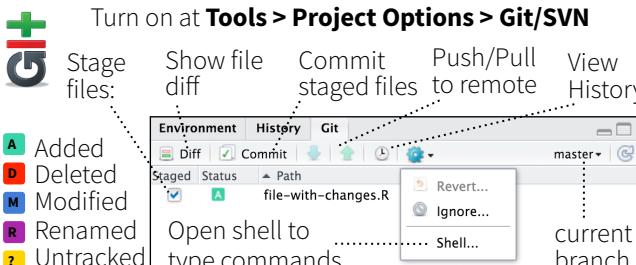
Stop Shiny app Publish to shinyapps.io, rpubs, RSConnect, ... Refresh

View(<data>) opens spreadsheet like view of data set



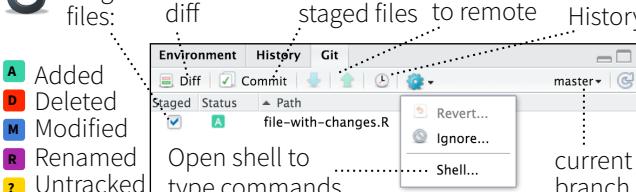
Filter rows by value or value range Sort by values Search for value

Version Control with Git or SVN



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

G Stage files: Show file diff Commit staged files to remote Push/Pull View History

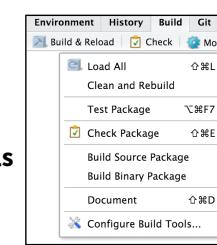


Package Writing

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+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 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+↑**
- ↑/↓**
- 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
- W: Shift+F3, L:
- 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

Windows /Linux

Mac

- 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
- Ctrl+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+Option+Shift+Up
- Ctrl+Opt+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:

- 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

Windows/Linux	Mac
Toggle Breakpoint	Shift+F9
Execute Next Line	F10
Step Into Function	Shift+F4
Finish Function/Loop	Shift+F6
Continue	Shift+F5
Stop Debugging	Shift+F8

6 VERSION CONTROL

Windows/Linux	Mac
Show diff	Ctrl+Alt+D
Commit changes	Ctrl+Alt+M
Scroll diff view	Ctrl+↑/↓
Stage/Unstage (Git)	Spacebar
Stage/Unstage and move to next	Enter

7 MAKE PACKAGES

Windows/Linux	Mac
Build and Reload	Ctrl+Shift+B
Load All (devtools)	Cmd+Shift+L
Test Package (Desktop)	Cmd+Shift+T
Test Package (Web)	Ctrl+Alt+F7
Check Package	Ctrl+Shift+E
Document Package	Cmd+Shift+D

8 DOCUMENTS AND APPS

Windows/Linux	Mac
Preview HTML (Markdown, etc.)	Ctrl+Shift+K
Knit Document (knitr)	Cmd+Shift+K
Compile Notebook	Ctrl+Shift+K
Compile PDF (TeX and Sweave)	Ctrl+Shift+K
Insert chunk (Sweave and Knitr)	Ctrl+Alt+I
Insert code section	Ctrl+Shift+R
Re-run previous region	Ctrl+Shift+P
Run current document	Ctrl+Alt+R
Run from start to current line	Cmd+Option+B
Run the current code section	Cmd+Option+T
Run previous Sweave/Rmd code	Ctrl+Alt+P
Run the current chunk	Ctrl+Alt+C
Run the next chunk	Ctrl+Alt+N
Sync Editor & PDF Preview	Ctrl+F8
Previous plot	Ctrl+Alt+F11
Next plot	Ctrl+Alt+F12
Show Keyboard Shortcuts	Alt+Shift+K
	Option+Shift+K