

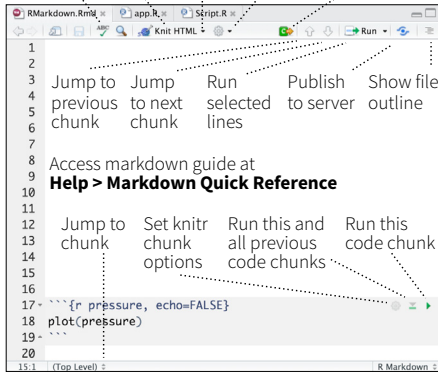
RStudio IDE :: CHEAT SHEET

Documents and Apps

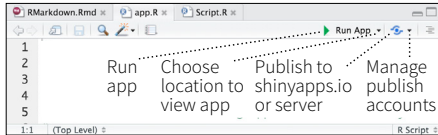


Open Shiny, R Markdown, knitr, Sweave, LaTeX, .Rd files and more in Source Pane

Check spelling
Render output
Choose output format
Choose output location
Insert code chunk

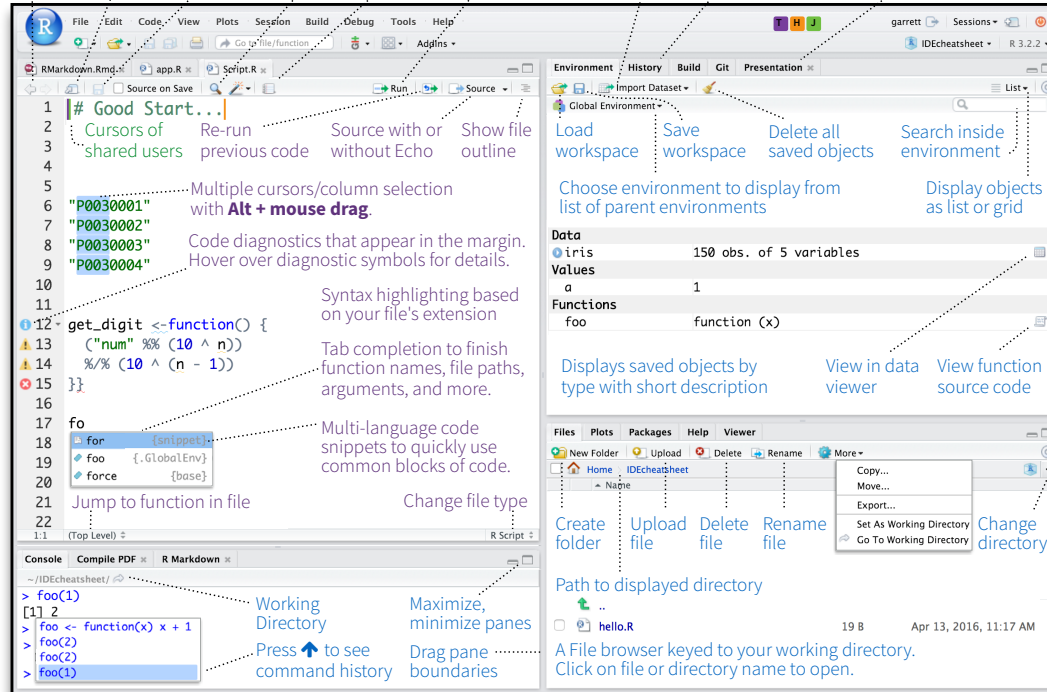


RStudio recognizes that files named **app.R**, **server.R**, **ui.R**, and **global.R** belong to a shiny app



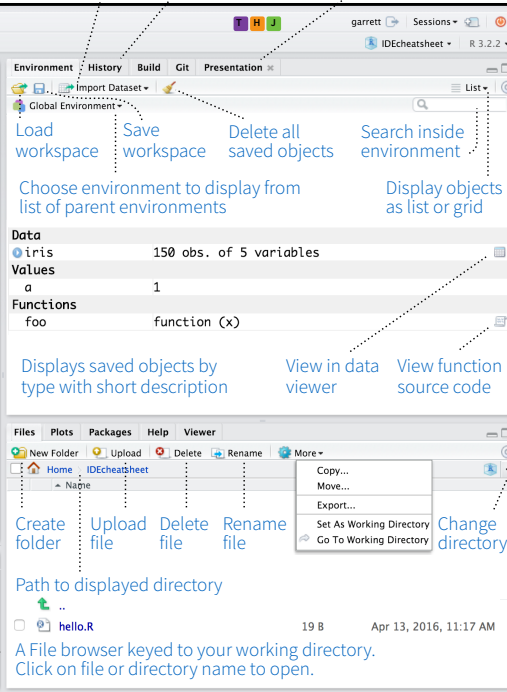
Write Code

Navigate tabs
Open in new window
Save
Find and replace
Compile as notebook
Run selected code



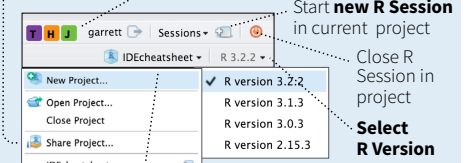
R Support

Import data with wizard
History of past commands to run/copy
Display .Rpres slideshows
File > New File > R Presentation



Pro Features

Share Project with Collaborators...
Active shared collaborators



PROJECT SYSTEM

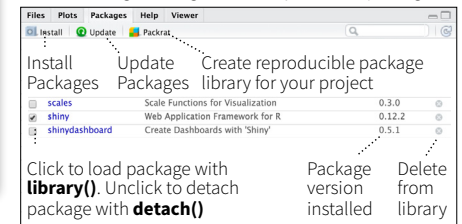
File > New Project

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

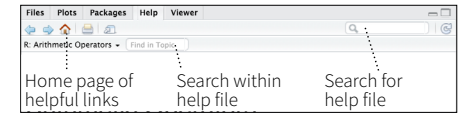
RStudio opens plots in a dedicated Plots pane



GUI Package manager lists every installed package



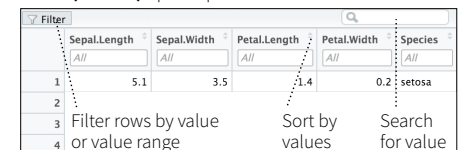
RStudio opens documentation in a dedicated Help pane



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



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



Debug Mode

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

Launch debugger
mode from origin of error
Open traceback to examine the functions that R called before the error occurred

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

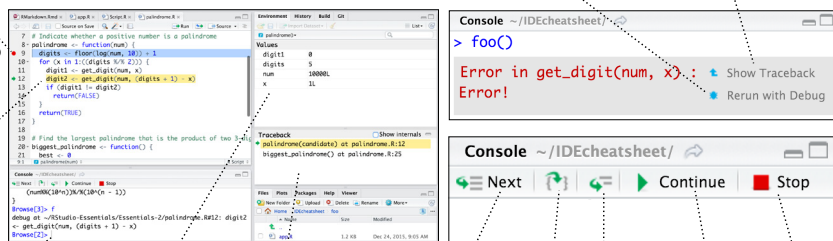
Select function in traceback to debug

Step through code one line at a time

Step into and out of functions to run

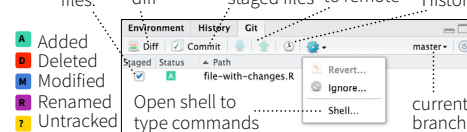
Resume execution

Quit debug mode



Version Control with Git or SVN

Turn on at **Tools > Project Options > Git/SVN**
Stage files:
Show file diff
Commit staged files
Push/Pull to remote
View History

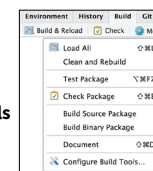


Package Writing

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

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:
Ctrl+↔
Ctrl+↑/↓
Ctrl+Shift+O

Mac

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
Cmd+F9
Cmd+F10
Ctrl+P
Ctrl+Shift+Option+E
Cmd+E
Cmd+Shift+F
Cmd+G
Cmd+Shift+G
Option+↔
Cmd+↑/↓
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
Ctrl+C
Ctrl+V
Ctrl+A
Ctrl+D
Shift+[Arrow]
Ctrl+Shift+↔
Alt+Shift+←
Alt+Shift+→
Shift+PageUp/Down
Shift+Alt+↑/↓
Ctrl+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+Alt+P

Alt+↑/↓
Shift+Alt+↑/↓
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
Cmd+Shift+↑/↓
Ctrl+Opt+Backspace
Option+Delete
Ctrl+K
Option+Backspace
Tab (at start of line)
Shift+Tab
Ctrl+U
Ctrl+K
Ctrl+Y
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+Option+X
Cmd+Option+V
Cmd+I
Cmd+Shift+C
Cmd+Shift+/
Cmd+Shift+A
Ctrl+Shift+E
Cmd+Shift+Opt+P
Ctrl+T
Option+↑/↓
Cmd+Option+↑/↓
Ctrl+Option+Up
Ctrl+Option+Down
Ctrl+Option+Shift+Up
Ctrl+Opt+Shift+Down
Cmd+F
Cmd+E
Cmd+Shift+J

WHY RSTUDIO SERVER PRO?

RSP extends the 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
F10
Shift+F4
Shift+F6
Shift+F5
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+Alt+M
Ctrl+↑/↓
Spacebar
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
Ctrl+Shift+L
Ctrl+Shift+T
Ctrl+Alt+F7
Ctrl+Shift+E
Ctrl+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

Windows/Linux Mac

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