

# 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.

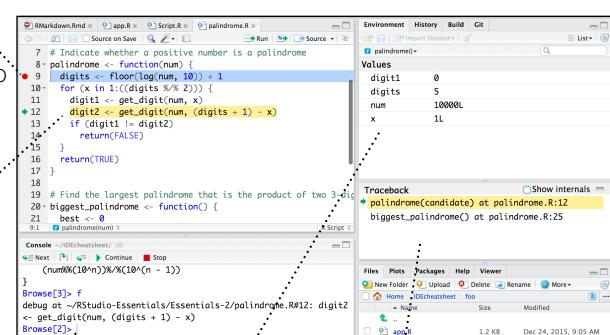
Click next to line number to add/remove a breakpoint.

Highlighted line shows where execution has paused

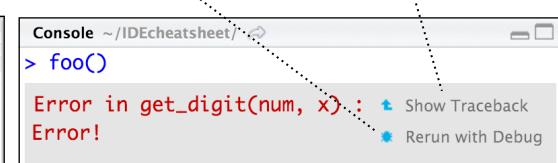
Run commands in environment where execution has paused

Examine variables in executing environment

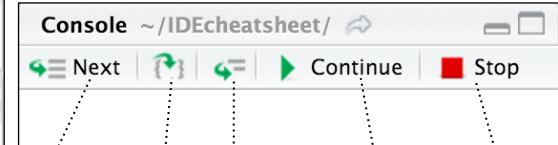
Select function in traceback to debug



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

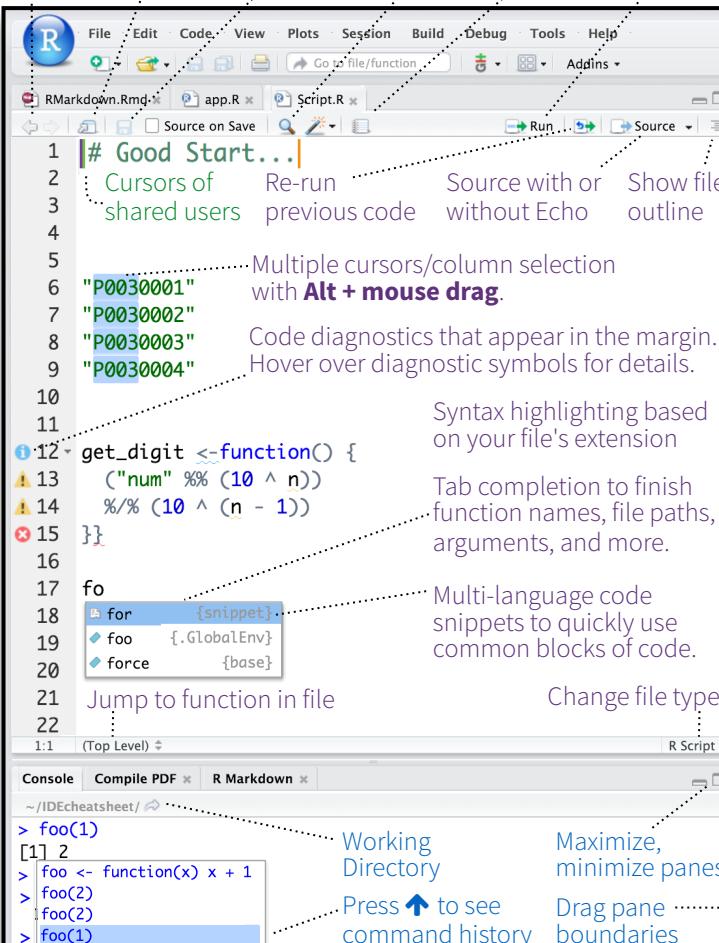
Resume

Execution mode

Quit debug

## 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.

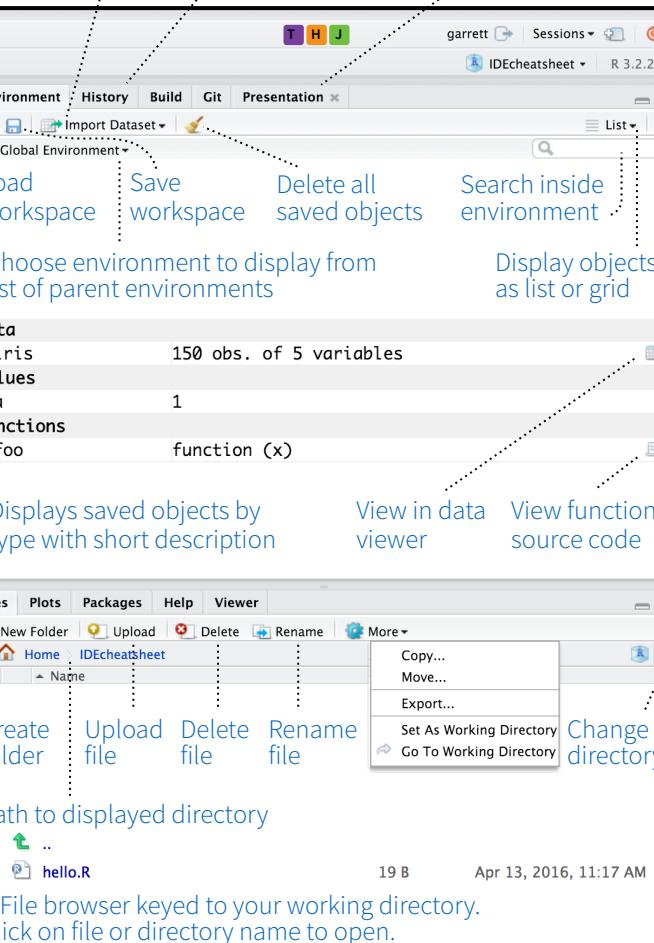
Multi-language code snippets to quickly use common blocks of code.

Jump to function in file   Change file type

## 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

View in data viewer   View function source code

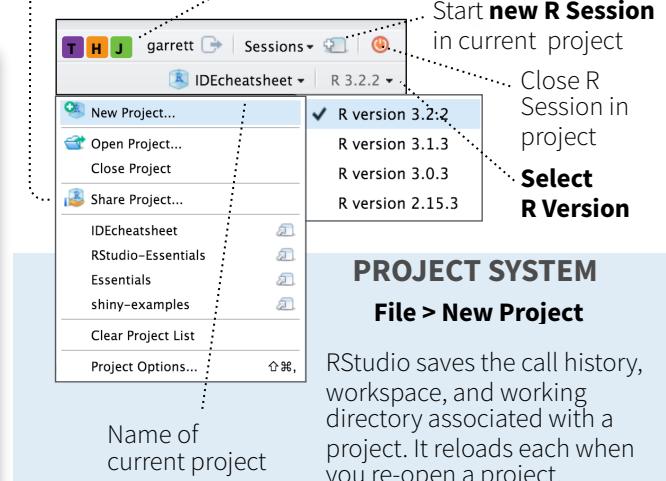
Displays saved objects by type with short description

Path to displayed directory

A File browser keyed to your working directory. Click on file or directory name to open.

## Pro Features

**Share Project** Active shared with Collaborators



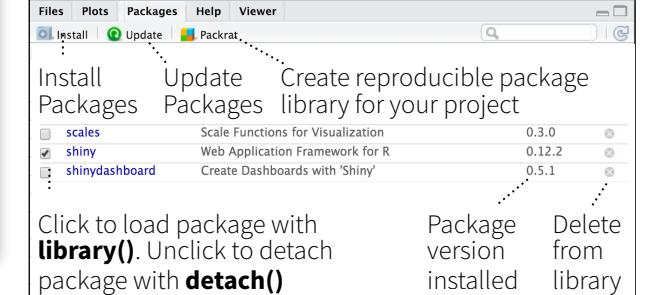
Start **new R Session** in current project   Close R Session in project   Select **R Version**

**PROJECT SYSTEM**   **File > New Project**

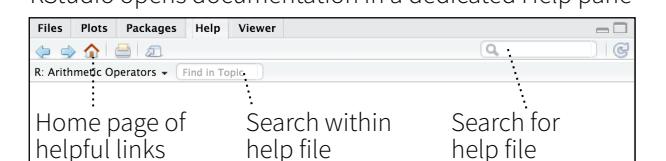
RStudio saves the call history, workspace, and working directory associated with a project. It reloads each when you re-open a project.



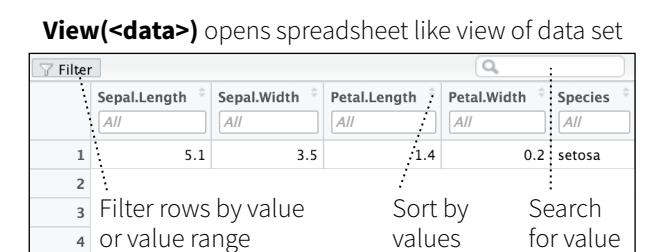
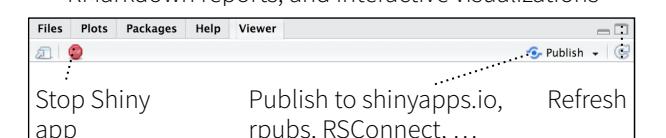
GUI Package manager lists every installed package



RStudio opens documentation in a dedicated Help pane

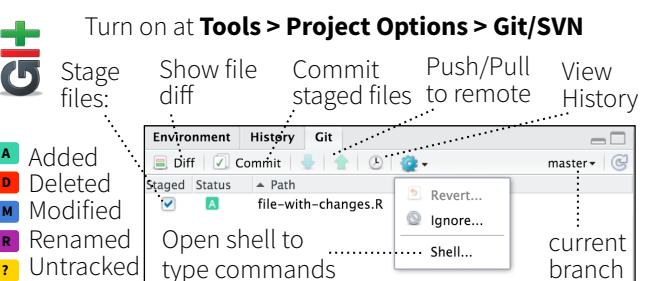


Viewer Pane displays HTML content, such as Shiny apps, RMarkdown reports, and interactive visualizations



## Version Control

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



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

A Added   D Deleted   M Modified   R Renamed   ? Untracked

Environment   History   Git   master   current branch

Diff   Commit   Staged   Status   Path   file-with-changes.R

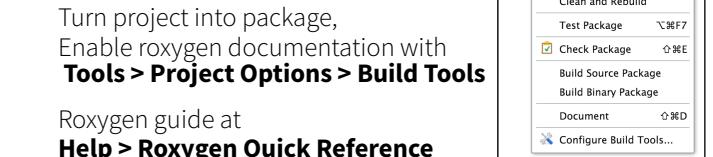
Revert...   Ignore...   Shell...

Open shell to type commands

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

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

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





## 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

## 4 WRITE CODE

**Attempt completion**  
Navigate candidates  
Accept candidate  
Dismiss candidates  
Undo  
Redo  
Cut  
Copy  
Paste  
Select All  
Delete Line

## 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

## Mac

Tab or Cmd+Space  
↑/↓  
Enter, Tab, or →  
Esc  
Cmd+Z  
Cmd+Shift+Z  
Cmd+X  
Cmd+C  
Cmd+V  
Cmd+A  
Cmd+D

## 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/](http://www.rstudio.com/products/rstudio-server-pro/)

## 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+Shift+O  
Ctrl+Shift+S  
Ctrl+Shift+Enter

Cmd+↑  
↑/↓  
Cmd+←  
Cmd+→  
Ctrl+Shift+H  
Esc  
Ctrl+L  
Cmd+Q  
Cmd+Shift+F10  
Cmd+Enter  
Option+Enter  
Cmd+Option+E  
Cmd+Option+F  
Cmd+Shift+O  
Cmd+Shift+S  
Cmd+Shift+Enter

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

## Mac

Tab or Cmd+Space  
↑/↓  
Enter, Tab, or →  
Esc  
Cmd+Z  
Cmd+Shift+Z  
Cmd+X  
Cmd+C  
Cmd+V  
Cmd+A  
Cmd+D

## 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  
**Cmd+Shift+L**  
**Cmd+Shift+T**  
Ctrl+Alt+F7  
Ctrl+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

## Windows/Linux Mac

Ctrl+Shift+K  
**Cmd+Shift+K**  
Ctrl+Shift+K  
Ctrl+Shift+K  
Ctrl+Alt+I  
Cmd+Option+I  
Ctrl+Shift+R  
Cmd+Shift+R  
Ctrl+Shift+P  
Cmd+Shift+P  
Ctrl+Alt+R  
Cmd+Option+R  
**Ctrl+Alt+B**  
**Cmd+Option+B**  
**Ctrl+Alt+T**  
**Cmd+Option+T**

## 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

Ctrl+Alt+P  
Ctrl+Alt+C  
Ctrl+Alt+N  
Cmd+Option+N  
Ctrl+F8  
Cmd+F8  
Ctrl+Alt+F11  
Ctrl+Alt+F12  
Cmd+Option+F11  
Cmd+Option+F12  
**Alt+Shift+K**  
**Option+Shift+K**

## 3 NAVIGATE CODE

### Goto File/Function

Ctrl+.  
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

## 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+↑/↓

## 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+Alt+E  
Cmd+E  
Cmd+Shift+F  
Cmd+G  
Cmd+Shift+G  
Option+←/→  
Cmd+↑/↓