

RStudio IDE :: CHEATSHEET



Documents and Apps

Open Shiny, R Markdown, knitr, Sweave, LaTeX, .Rd files and more in Source Pane
 Check spelling, Render output, Choose output format, Configure render options, Insert code chunk, Publish to server
 Jump to previous chunk, Jump to next chunk, Run code, Show file outline, Visual Editor (reverse side)
 Jump to section or chunk, Run all previous code chunks, Run this code chunk, Set knitr chunk options

Access markdown guide at **Help > Markdown Quick Reference**
See reverse side for more on **Visual Editor**

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

Source Editor

Navigate backwards/forwards, Open in new window, Save, Find and replace, Compile as notebook, Run selected code
 Re-run previous code, Source with or w/out Echo or as a Local Job, 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, Run scripts in separate sessions, Maximize, minimize panes
 Ctrl/Cmd + arrow up to see history, R Markdown Build Log, Drag pane boundaries

Tab Panes

Import data with wizard, History of past commands to run/copy, Manage external databases, View memory usage, R tutorials
 Load workspace, Save workspace, Clear R workspace, Search inside environment
 Choose environment to display from list of parent environments, Display objects as list or grid
 Displays saved objects by type with short description, View in data viewer, View function source code
 Create folder, Delete file, Rename file, Change directory
 Path to displayed directory, A File browser keyed to your working directory. Click on file or directory name to open.

Version Control

Turn on at **Tools > Project Options > Git/SVN**
 Added, Deleted, Modified, Renamed, Untracked
 Stage files, Commit staged files, Push/Pull to remote, View History, Current branch
 Show file diff to view file differences
 Open shell to type commands

Debug Mode

Use **debug()**, **browser()**, or a breakpoint and execute your code to open the debugger mode.

Launch debugger mode from origin of error, Open traceback to examine the functions that R called before the error occurred
 Show Traceback, Rerun with Debug

Package Development

Create a new package with **File > New Project > New Directory > R Package**
Enable roxygen documentation with **Tools > Project Options > Build Tools**

Roxygen guide at **Help > Roxygen Quick Reference**

See package information in the **Build Tab**

Install package and restart R, Run devtools::load_all() and reload changes
 Run R CMD check, Customize package build options, Clear output and rebuild, Run package tests

RStudio opens plots in a dedicated **Plots** pane

Navigate recent plots, Open in window, Export plot, Delete plot, Delete all plots

RStudio opens documentation in a dedicated **Help** pane

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

GUI **Package** manager lists every installed package

Install Packages, Update Packages, Browse package site, Click to load package with **library()**. Unclick to detach package with **detach()**. Package version installed, Delete from library

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

Stop Shiny app, Publish to shinyapps.io, Posit Connect, Posit Cloud, ... Refresh

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

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

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



