RStudio IDE:: CHEAT SHEET

[1] 3

[-2 + 3

3 + 4 [] View(mtcars)

Working

Directory

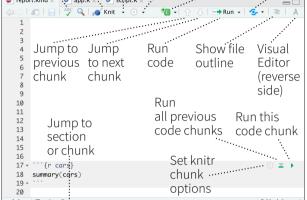
Ctrl/Cmd + 1

to see history

Documents and Apps



Check Render Choose Configure Insert Publish spelling output output render format options chunk to server app.R 💉 👂 script.R 🗴



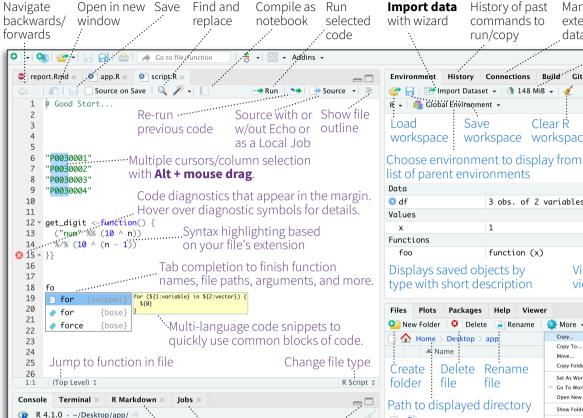
Access markdown guide at

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



Source Editor



Tab Panes

Manage R tutorials **Import data** History of past View with wizard commands to external memory run/copy databases app • Import Dataset - 148 MiB -Iist

✓ R - Global Environment -Save Clear R Search inside workspace: workspace workspace environment

list of parent environments as list or grid 3 obs. of 2 variables Functions function (x)

Display objects

source code

View in data View function

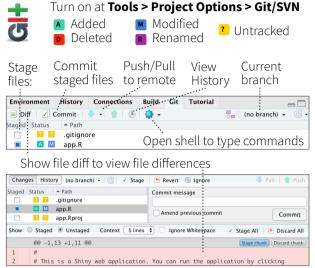
Files Plots Packages Help Viewer New Folder Delete 📑 Rename 🍪 More 🕶 Copy... More file Copy To... options Create Delete Rename Copy Folder Path to Clipboard Change Set As Working Directory file file directory Open New Terminal Here Path to displayed directory Show Folder in New Window

viewer

app.R I 10, 2021, 6:21 PM 303 B Jul 10, 2021, 4:51 PM separate sessions minimize panes A File browser keyed to your working directory. Click on file or directory name to open.

Version Control





Debug Mode

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

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



Package Development



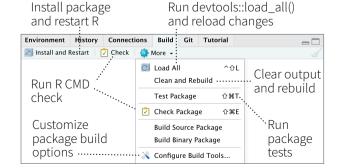
Create a new package with

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**



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

Run scripts in

R Markdown

Build Log

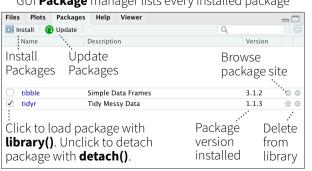
Maximize,

Drag pane

boundaries



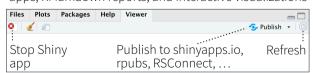
GUI **Package** manager lists every installed package



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

Files	Plots	Packages	Help	Viewer			-0			
(-)	^ ^ 2				Q		Refresh Help Topic			
R: Reno	der R Mari	kdown 🗸 🗔 Fi	nd in Top	ic						
	: Home page of nelpful links			Search within help file			Search for help file			

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

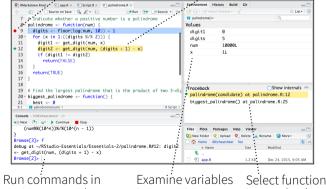


View(<data>) opens spreadsheet like view of data set

i 🖒 🔊 🕆 Filt	er						Q	:	
*	mpg ‡	cyl ‡	disp ‡	hp ‡	drat . ‡	wt ‡	qsec ‡	vs ‡	am
Mazda RX4	21.0	6	160.0	110	3 90	2.620	16.46	0	
Mazda RX4 Wag	21.0	6	160.0	110	3.90	2.875	17.02	0	
: Filter or val			alue		Sort by Searc values for va				

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

Highlighted line shows where execution has paused



environment where in executing in traceback to execution has paused environment debug





Keyboard Shortcuts

RUN CODE Search command history Interrupt current command Esc Clear console

NAVIGATE CODE Go to File/Function

WRITE CODE

Attempt completion

Insert <- (assignment operator)</pre> Insert |> or %>% (pipe operator) (Un)Comment selection

MAKE PACKAGES

Load All (devtools) Test Package (Desktop) **Document Package**

Windows/Linux Mac

Ctrl+.

Ctrl+**↑** Cmd+↑ Esc Ctrl+L Ctrl+L

Ctrl+.

Tab or Ctrl+Space Tab or Ctrl+Space

Alt+-Option+-Ctrl+Shift+M Cmd+Shift+M Ctrl+Shift+C Cmd+Shift+C

Windows/Linux Mac

Ctrl+Shift+L Cmd+Shift+L Ctrl+Shift+T Cmd+Shift+T Ctrl+Shift+D Cmd+Shift+D

Choose

output

DOCUMENTS AND APPS

Knit Document (knitr) Ctrl+Shift+K Insert chunk (Sweave & Knitr) Ctrl+Alt+I Run from start to current line Ctrl+Alt+B

MORE KEYBOARD SHORTCUTS

Keyboard Shortcuts Help Show Command Palette

Alt+Shift+K Option+Shift+K Ctrl+Shift+P Cmd+Shift+P

Cmd+Shift+K

Cmd+Option+I

Cmd+Option+B

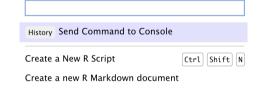
View the Keyboard Shortcut Quick Reference with Tools > Keyboard Shortcuts or Alt/Option + Shift + K

Гabs Source Navigation

Jump to Jump

previous to next

Search for keyboard shortcuts with **Tools > Show Command Palette** or Ctrl/Cmd + Shift + P.



Show file

Back to

·File outline

Source Editor

(front page)

Publish

Add/Edit

attributes

Run this

code chunk

R Markdown \$

selected

lines

Run this and

code chunks

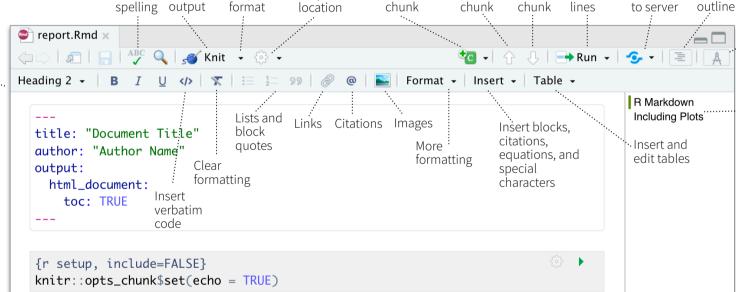
all previous

Set knitr

chunk

options

Visual Editor Render Check spelling output report.Rmd Block format



Choose

output

Insert

code

R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents.

Jump to chunk {r cars} or header summary(cars)

R Markdown 🕏

RStudio Workbench

WHY RSTUDIO WORKBENCH?

Extend 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
- administrative tools for managing user sessions
- collaborate real-time with others in shared projects
- switch easily from one version of R to a different version
- integrate with your authentication, authorization, and audit practices

R Studio

R Version

• work in the RStudio IDE, JupyterLab, Jupyter Notebooks, or VS Code

Download a free 45 day evaluation at

www.rstudio.com/products/workbench/evaluation/

Share Projects

File > New Project

shiny-examples

Clear Project List

Project Options.

RStudio saves the call history, workspace, and working Close R Session Start new R Session directory associated with a in project in current project project. It reloads each when you re-open a project. T H J garrett 🕞 Sessions 🕶 IDEcheatsheet ▼ R 3.2.2 ▼ New Project.. ✓ R version 3.2.2 Active shared R version 3.1.3 🚅 Open Project.. collaborators Close Project R version 3.0.3 Name of R version 2.15.3 Share Project.. current IDEcheatsheet RStudio-Essential project Select Essentials

Share Project

with Collaborators

Run Remote Jobs

