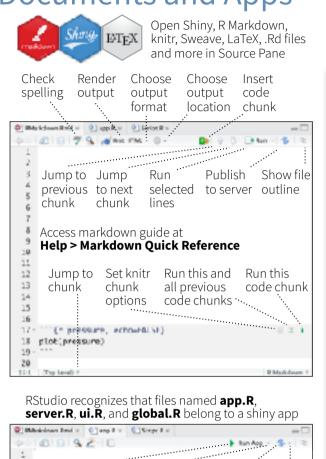
# RStudio IDE:: CHEAT SHEET

## **Documents and Apps**



Choose "Publish to "

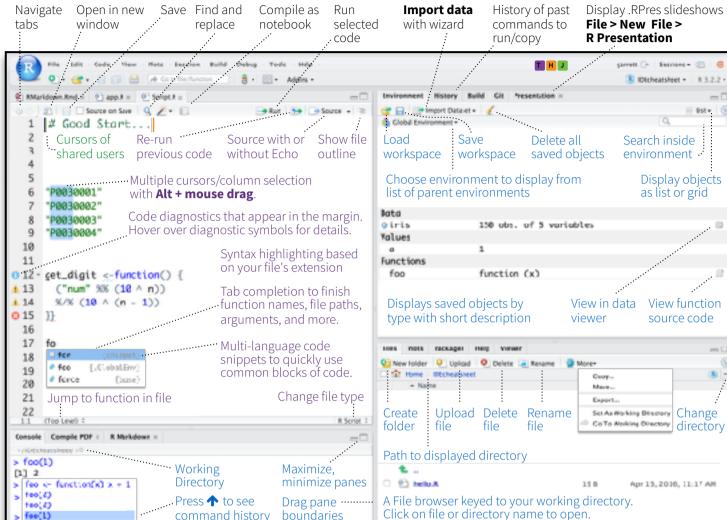
view app or server

location to shinyapps.io publish

Manage

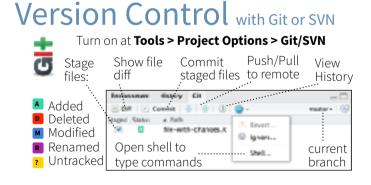
accounts

## Write Code



**Debug Mode** 

Launch debugger Open traceback to examine the functions that R called Open with **debug()**, **browser()**, or a breakpoint. RStudio will open the mode from origin debugger mode when it encounters a breakpoint while executing code. before the error occurred of error Console ~ (IDEcheatsheet) < Click next to foo() line number to Error in get\_digit(num, x) : • Show Traceback add/remove a breakpoint. Highlighted Console --/IDEcheatsheet/ A line shows where execution has paused Select function Step through Step into and Resume Ouit debug Run commands in Examine variables code one line out of functions execution mode environment where in traceback to in executing execution has paused environment to run



## **Package Writing**

R Support



Enable roxygen documentation with **Tools > Project Options > Build Tools** 

Roxygen guide at Help > Roxygen Quick Reference

Ballif Strary Perhaps A Configure Build Book

Benefit of Lago.

Chris Barbane

7.472

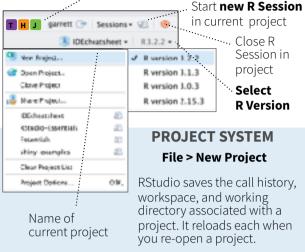
## **Pro Features**

**Share Project** with Collaborators... collaborators

Display objects

source code

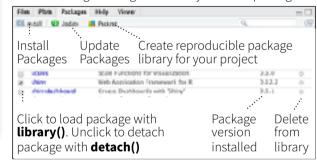
as list or grid



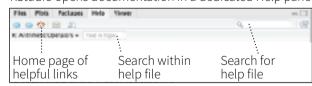
RStudio opens plots in a dedicated Plots pane



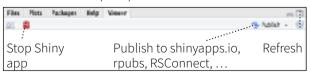
GUI Package manager lists every installed package



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

/ Filter			(Q,		
1	Sepaltength 1	Sepal/Width 1	Petallength 1	Petal Wi	dth i Species
;	AU.	A)	A3	AV	AV
1	5.1	3.5	1.4	ı	0.2 setona
2	1		:		
3	Filter rows by value		Sort by		Search
4	or value range		valu	ıes	for value



1 LAYOUT	Windows/Linux	Mac
Move focus to Source Editor	Ctrl+1	Ctrl+1
Move focus to Console	Ctrl+2	Ctrl+2
Move focus to Help	Ctrl+3	Ctrl+3
Show History	Ctrl+4	Ctrl+4
Show Files	Ctrl+5	Ctrl+5
Show Plots	Ctrl+6	Ctrl+6
Show Packages	Ctrl+7	Ctrl+7
Show Environment	Ctrl+8	Ctrl+8
Show Git/SVN	Ctrl+9	Ctrl+9
Show Build	Ctrl+0	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 Ouit 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

Fold Selected

Fold All

Unfold All

Go to line

Switch to tab

Previous tab

Navigate back

Jump to Brace

Find in Files

Find Previous

Jump to Word

Toggle Outline

Jump to Start/End

Find Next

Navigate forward

Select within Braces

Use Selection for Find

Jump to

Next tab

First tab

Last tab

**Unfold Selected** 

**3 NAVIGATE CODE** 

**Goto File/Function** 

Windows/Linux	Mac
Ctrl+ <b>↑</b>	Cmd+ <b>↑</b>
<b>↑</b> / <b>↓</b>	<b>↑</b> / <b>↓</b>
Home	Cmd+ <b>←</b>
End	Cmd+→
Ctrl+Shift+H	Ctrl+Shift+I
Esc	Esc
Ctrl+L	Ctrl+L
Ctrl+Q	Cmd+Q

Ctrl+Shift+F10 Cmd+Shift+F10 Ctrl+Enter Cmd+Enter Alt+Enter Option+Enter Ctrl+Alt+E Cmd+Option+E Ctrl+Alt+F Cmd+Option+F Ctrl+Alt+G Cmd+Option+G Ctrl+Shift+S Cmd+Shift+S

Cmd+Shift+Enter

### **Windows / Linux** Mac Ctrl+. Ctrl+. Alt+L Cmd+Option+L Shift+Alt+L Cmd+Shift+Option+L Alt+O Cmd+Option+O Shift+Alt+O Cmd+Shift+Option+O Cmd+Shift+Option+G Shift+Alt+G Shift+Alt+J Cmd+Shift+Option+J Ctrl+Shift+. Ctrl+Shift+. Ctrl+F11 Ctrl+F11 Ctrl+F12 Ctrl+F12 Ctrl+Shift+F11 Ctrl+Shift+F11 Ctrl+Shift+F12 Ctrl+Shift+F12

Cmd+F9

Ctrl+P

Cmd+E

Cmd+G

Cmd+Shift+F

Cmd+Shift+G

Option+ **←/→** 

Cmd+Shift+O

Cmd+**↑/↓** 

Cmd+F10

Ctrl+Shift+Option+E

Ctrl+F9

Ctrl+F10

Ctrl+Shift+Alt+E

Win: F3, Linux: Ctrl+G

Ctrl+Shift+F

W: Shift+F3, L:

Ctrl+ **←/→** 

Ctrl+**↑/**↓

Ctrl+Shift+O

Ctrl+P

Ctrl+F3

Ctrl+Shift+Enter

**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 vanked 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 Ctrl+Alt+Shift+Down Find and Replace Use Selection for Find Replace and Find

Windows /Linux Mac Tab or Ctrl+Space Tab or Cmd+Space **1**/**\P 1**/**4** Enter, Tab, or → Enter, Tab, or → Esc Fsc Cmd+7 Ctrl+7 Ctrl+Shift+Z Cmd+Shift+Z Ctrl+X Cmd+X Ctrl+C Cmd+C Ctrl+V Cmd+V Ctrl+A Cmd+A Ctrl+D Cmd+D Shift+[Arrow] Shift+[Arrow] Ctrl+Shift+ **←/→** Option+Shift+ **←/→** Cmd+Shift+**←** Alt+Shift+**←** Cmd+Shift+→ Alt+Shift+→ Shift+PageUp/Down Shift+PageUp/Down Cmd+Shift+**↑/↓** Ctrl+Backspace Ctrl+Opt+Backspace Option+Delete Ctrl+K Option+Backspace Tab (at start of line) Tab (at start of line) Shift+Tab Shift+Tab Ctrl+U Ctrl+U Ctrl+K Ctrl+K Ctrl+Y Ctrl+Y Alt+-Option+-Ctrl+Shift+M Cmd+Shift+M F1 F1 F2 F2 Ctrl+Shift+N Cmd+Shift+N Ctrl+Alt+Shift+N Cmd+Shift+Opt+N Ctrl+O Cmd+O Ctrl+S Cmd+S Ctrl+W Cmd+W Ctrl+Alt+W Cmd+Option+W

Ctrl+Shift+W Cmd+Shift+W Cmd+Option+X Cmd+Option+V Cmd+I Ctrl+Shift+C Cmd+Shift+C Ctrl+Shift+/ Ctrl+Shift+A Ctrl+Shift+E Ctrl+Shift+Alt+P

Ctrl+Alt+X

Ctrl+Alt+V

Alt+**↑/↓** 

Ctrl+Alt+Up

Ctrl+F

Ctrl+F3

Ctrl+Shift+J

Ctrl+I

Cmd+Shift+/ Cmd+Shift+A Ctrl+Shift+E Cmd+Shift+Opt+P Ctrl+T Option+**↑/**↓ Cmd+Option+**↑/**↓ Shift+Alt+**↑/**↓ Ctrl+Option+Up Ctrl+Option+Down Ctrl+Alt+Down Ctrl+Alt+Shift+Up 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	Windows/Linux	Mac
Toggle Breakpoint	Shift+F9	Shift+F9
Execute Next Line	F10	F10
Step Into Function	Shift+F4	Shift+F4
Finish Function/Loop	Shift+F6	Shift+F6
Continue	Shift+F5	Shift+F5
Stop Debugging	Shift+F8	Shift+F8

### **6 VERSION CONTROL**

Show diff Commit changes Scroll diff view Stage/Unstage (Git) Stage/Unstage and move to next

### **7 MAKE PACKAGES**

Build and Reload Load All (devtools) Test Package (Desktop) Test Package (Web) Check Package **Document Package** 

## **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+Alt+D Ctrl+Option+D Ctrl+Alt+M Ctrl+Option+M Ctrl+**↑/**↓ Ctrl+**↑/**↓ Spacebar Spacebar Enter Enter

## Windows/Linux Mac

Ctrl+Shift+B Cmd+Shift+B Cmd+Shift+L Ctrl+Shift+L Ctrl+Shift+T Cmd+Shift+T Ctrl+Alt+F7 Cmd+Opt+F7 Ctrl+Shift+E Cmd+Shift+E Ctrl+Shift+D Cmd+Shift+D

### Windows/Linux Mac

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

