ESS [Emacs Speaks Statistics] Reference Card for S and R

updated for ESS 18.10-3

June 2019

Interacting with the process

For use in a process buffer (inferior-ess-mode):

$\langle \text{RET} \rangle$	Send a command
C-c $\langle \text{RET} \rangle$	Copy old input
$\langle \text{TAB} \rangle$	Complete object or file name
C-c C-c	Break
C-g	interrupt Emacs' waiting for S
C-a / C-e	Beginning / End of command
C-c C-u	Delete this command
C-c C-w	Delete last word
C-c C-r	Top of last output
C-c C-o	Delete last output
C-c C-n	Next prompt
C-c C-p	Previous prompt

Command history (part of Menu 'In/Out')

M-p	Previous command
M-n	Next command
C-c C-l	List command history (& choose!)
C-c M-r	Previous similar command
C-c M-s	Next similar command
Others	
C-c C-v	Help for object
C-c $M-1$	Load source file
C-c M-l C-c C-x	Load source file List objects
0 0 11 =	
C-c C-x	List objects
C-c C-x C-c C-s	List objects Display search list

Inside ESS Transcripts (I + O)

Inside *.Rout files:

$M-\langle RET \rangle$	Send current line
$\langle \text{RET} \rangle$	Send and move to next line
$C-\langle \text{RET} \rangle$	Copy current line into ESS buffer
C-c C-w	Clean Region (\mapsto input only)

Sweave

M-n s	Sweave the file
M-n l	Run latex
M-n p	Postscript file
M-n P	PDF file

Editing source files

For use in ess-mode edit buffers, (*.R files):

$\langle TAB \rangle$	Indent this line
$M-\langle TAB \rangle$	Complete filename/object
M-C-/	Indent region
M-C-q	Indent this expression (use at '{')
M-C-a	Beginning of function
М-С-е	End of function
M-C-h	Mark this function
c-u $c-u$ $C-y$	Yank striped commands

Evaluation commands (Prefix C-u: in/visibly)

Lvaraarion	commands (Frenz & a. 111/ bistory)
M-C-x	Evaluate region or function or para
C-c C-c	Evaluate region or para. or function & step
$C\text{-}\langle \mathrm{RET} \rangle$	Evaluate region or line & step
C-c C-1	Load this buffer's source file
С-с С-ј	Evaluate this line
С-с М-ј	Evaluate this line and go
C-c C-f	Evaluate this function
C-c M-f	Evaluate this function and go
С-с С-р	Evaluate this paragraph and step
C-c C-r	Evaluate this region
C-c M-r	Evaluate this region and go
C-c C-b	Evaluate this buffer
C-c M-b	Evaluate this buffer and go
Others	
C-c C-v	Help for object
C-c C-z	Switch to process buffer

General Commands

ess-doc-map (prefix C-c C-d):

C-a, a	Aprop	OS
C-d, d	\mathbf{D} oc or	object
C-e, e	Descril	pe object at point (C-e or e to cycle)
C-i, i	\mathbf{I} ndex	
C-v, v	${f V}$ ignet	tes
C-o, o	Dem o s	
C-w, w	\mathbf{W} eb s	earch (dialect dependent)
ess-ext:	ra-map (prefix	C-c C-e):

C-d,	d	Dump object into edit buffer
С-е,	е	Evaluate expression (C-u in temp buf)
C-i,	i	Install package (in R) or library
C-1,	1	Load package (in R) or library
C-s,	S	Set indentation style
C-t,	t	Build tags for directory

Reading help files

For use in '*help[R](...)*' help buffers:

SPC	Next page
DEL	Previous page
n	Next section
p	Previous section
S	Skip ('jump') to a named section
s e	e.g., skip to "Examples:"
1	Evaluate one 'Example' line
r	Evaluate current region
q	Quit window
k	Kill this buffer
x	Kill this buffer and return to ESS
h	Help on another object
?	Help for this mode
a	Display apropos
i	Display index
v	Display vignettes
W	Display this help in web browser
/	Search (also on C-s)

ESS tracebug

Commands in ess-dev-map (prefix C-c C-t):

?	Show key help
b	Set BP (repeat to cycle)
C-b, B	Set conditional BP
C-k, k	Kill BP
C-K, K	Kill all BPs
C-n, n	Goto next BP
С-р, р	Goto previous BP
•	Show R traceback (also on C-c `
~	Show R call stack (also on C-c ~
С-е, е	Toggle error action (cycle)
C-d, d	Flag for debugging
C-u, u	Un-flag debugged objects
C-w, w	Watch window

Commands in ess-debug-mode-map (active during debugging):

M-C	Continue
M-N	Next line
M-Q	Quit
M-U	Up frame
C-M-S-c	Continue Mu

C-M-S-c Continue Multiple C-M-S-n Next Multiple

$\underline{\mathbf{Others}}$

C-x ', M-g n	'next-error' (emacs)
M-g p	'previous-error'(emacs)

Package development

Evaluate your code into a given package (in ess-dev-map, prefix C-c C-t):

C-s, s Select package for namespaced evaluation

Keybindings in ess-r-package-mode (C-c C-w) (call to devtools functions):

C-b b	Build package (devtools::build())
C-b, b	
C-c c	Check package (devtools::check())
C-c w	Check and build package with winbuilder
	<pre>(devtools::check_win_devel())</pre>
C-c h	Check and build package with R-hub
	<pre>(devtools::check_rhub())</pre>
C-d, d	Document package (devtools::document())
C-i, i	<pre>Install package (devtools::install())</pre>
C-t, t	Run all tests (devtools::test())

Editing documentation

Inside *.Rd files:

C-c C-e	Insert a template of help file
$\langle \text{TAB} \rangle$	Indent current line
C-c C-f	Prefix for font specifiers
C-c C-f $\langle { m TAB} \rangle$	Display list of font specifiers
C-c C-j	Insert an '\item' on next line
C-c C-n	(in example section)
	send current line to ESS process
С-с С-р	Preview help file in plain text

For Roxygen users, inside *.R files (prefix C-c C-o):

0-0	Insert an Roxygen template
C-c	Add ##' prefix at the beginning
	of all selected lines
C-r	Parse R file and get Rd code
C-t	Parse R file and preview help file