ESS Reference Card for R

Interacting with the process

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

⟨RET⟩	Send a command
C-c ⟨RET⟩	Copy old input
⟨TAB⟩	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-l	**L**oad source file
C-c C-x	List objects
C-c C-s	Display `search` list
C-c C-q	Quit from S
C-c C-z	Switch to most recent script buffer

Inside ESS Transcripts (I + O)

Inside `*.Rout` files:

M-⟨RET⟩	Send current line
⟨RET⟩	Send and move to next line
C-⟨RET⟩	Copy current line into ESS buffer
C-c C-w	Clean Region (↦ 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):

⟨TAB⟩	Indent this line
M-⟨TAB⟩	Complete filename/object
M-C-/	Indent region
M-C-q	Indent this expression (use at '{')
M-C-a	Beginning of function
M-C-e	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*)

M-C-x	Evaluate region or function or para
C-c C-c	Evaluate region or para. or function & *step*
C-⟨RET⟩	Evaluate region or line & *step*
C-c C-l	Load this buffer's source file
C-c C-j	Evaluate this line
C-c M-j	Evaluate this line and go
C-c C-f	Evaluate this function
C-c M-f	Evaluate this function and go
C-c C-p	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	**A**propos
C-d, d	**D**oc on object
C-e, e	**D**escribe object at point (`C-e` or `e` to cycle)
C-i, i	**I**ndex
C-v, v	**V**ignettes
C-o, o	Demo**s**
C-w, w	**W**eb search (dialect dependent)

`ess-extra-map` (prefix `C-c C-e`):

C-d, d	Dump object into edit buffer
C-e, e	Evaluate expression (`C-u` in temp buf)
C-i, i	Install package (in R) or library
C-l, l	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	**N**ext section
p	**P**revious section
s	**S**kip ('jump') to a named section
s e	e.g., **s**kip to "`Examples:`"
l	Evaluate one 'Example' **l**ine
r	Evaluate current **r**egion
q	**Q**uit window
k	**K**ill this buffer
x	Kill this buffer and return to ESS
h	**H**elp on another object
?	Help for this mode
a	Display **a**propos
i	Display **i**ndex
v	Display **v**ignettes
w	Display this help in **w**eb bro**w**ser
/	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
C-p, p	Goto previous BP
`	Show R traceback (also on `C-c ``)
~	Show R call stack (also on `C-c ~`)
C-e, e	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 Multiple
C-M-S-n	Next Multiple

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

Editing documentation

Inside `*.Rd` files:

C-c C-e	Insert a template of help file
⟨TAB⟩	Indent current line
C-c C-f	Prefix for font specifiers
C-c C-f ⟨TAB⟩	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
C-c C-p	Preview help file in plain text

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

C-o	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