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

updated for ESS 5.3.0

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1. NOTA BENE: S is the *language*, R is one *dialect*!

2. This is a list of the more widely used **key - shortcuts**. Many more are available, and most are accessible from the Emacs **Menus** such as `iESS`, `ESS`, etc.

Interacting with the S process

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

⟨RET⟩	Send a command
⟨TAB⟩	Complete S object 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

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
C-c⟨RET⟩	Copy current input
C-c C-r	Top of last output
C-c C-o	Delete last output

Hot keys

C-c C-v	Help for S object
C-c C-l	**L**oad source file (+ error check!)
C-c C-x	List objects
C-c C-s	Display `search` list
C-c C-a	**A**ttach a directory
C-c C-d	Edit an object (**d**ump to file)

Others

C-c '	Jump to error after C-c C-l
C-c C-q	Quit from S
C-c C-z	Kill the S process

Inside S Transcripts (I + O)

Inside `ESS transcript` buffers, (`*.Rout` files):

⟨RET⟩	Send and Move
C-c C-n	Next prompt
C-c C-p	Previous prompt
C-c C-w	Clean Region ($\mapsto$ input only)

Editing S source

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

⟨TAB⟩	Indent this line
C-c⟨TAB⟩	Complete S object name
M-⟨TAB⟩	Complete file- / path- name
M-C-a	Beginning of function
M-C-e	End of function
M-C-q	Indent this expression (use at '{')
M-C-h	Mark this function

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

C-c C-l	Load this buffer – detect errors !
C-c C-n	Step through code – line by line
C-c C-e	Evaluate an expression
C-c C-j	Evaluate this line
C-c M-j	Evaluate this line and go
M-C-x	Evaluate this function
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-c	Evaluate this para. or function *& 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 S object
C-c C-d	"dump" – Edit another object
C-c C-z	Return to S process (at prompt)

At SfS, or activated by `M-x ess-add-MM-keys`

C-c f	insert function() definition outline

Reading help files

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

SPC	Next page
DEL	Previous page
b	Previous page ('**b**ack')
/	Search forwards
n	**N**ext section
p	**P**revious section
s	**S**kip ('jump') to a named section
s e	e.g., skip to "`Examples:`"
l	Evaluate one 'Example' **l**ine
r	Evaluate current **r**egion
h	**H**elp on another object
?	Help for this mode
q	Return to S process ('**q**uit)
x	Kill this buffer and return ('e**x**it)