

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

updated for ESS 5.3.x

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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*):

<code><RET></code>	Send a command
<code><TAB></code>	Complete S object name
<code>C-c C-c</code>	Break
<code>C-g</code>	interrupt Emacs' waiting for S
<code>C-a / C-e</code>	Beginning / End of command
<code>C-c C-u</code>	Delete this command
<code>C-c C-w</code>	Delete last word

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

<code>M-p</code>	Previous command
<code>M-n</code>	Next command
<code>C-c C-l</code>	List command history (& choose!)
<code>C-c M-r</code>	Previous similar command
<code>C-c M-s</code>	Next similar command
<code>C-c<RET></code>	Copy current input
<code>C-c C-r</code>	Top of last output
<code>C-c C-o</code>	Delete last output

Hot keys

<code>C-c C-v</code>	Help for S object
<code>C-c C-l</code>	Load source file (+ error check!)
<code>C-c C-x</code>	List objects
<code>C-c C-s</code>	Display search list
<code>C-c C-a</code>	Attach a directory
<code>C-c C-d</code>	Edit an object (dump to file)

Others

<code>C-c `</code>	Jump to error after <code>C-c C-l</code>
<code>C-c C-q</code>	Quit from S
<code>C-c C-z</code>	Kill the S process

Inside S Transcripts (I + O)

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

<code><RET></code>	Send and Move
<code>C-c C-n</code>	Next prompt
<code>C-c C-p</code>	Previous prompt
<code>C-c C-w</code>	Clean Region (→ input only)

Editing S source

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

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

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

<code>C-c C-l</code>	Load this buffer – detect errors !
<code>C-c C-n</code>	<u>Step through code – line by line</u>
<code>C-c C-e</code>	Evaluate an expression
<code>C-c C-j</code>	Evaluate this line
<code>C-c M-j</code>	Evaluate this line and go
<code>M-C-x</code>	Evaluate this function
<code>C-c C-f</code>	<u>Evaluate this function</u>
<code>C-c M-f</code>	Evaluate this function and go
<code>C-c C-p</code>	Evaluate this paragraph and step
<code>C-c C-c</code>	<u>Evaluate this para. or function & step</u>
<code>C-c C-r</code>	<u>Evaluate this region</u>
<code>C-c M-r</code>	Evaluate this region and go
<code>C-c C-b</code>	Evaluate this buffer
<code>C-c M-b</code>	Evaluate this buffer and go

Others

<code>C-c C-v</code>	Help for S object
<code>C-c C-d</code>	“dump” – Edit another object
<code>C-c C-z</code>	Return to S process (at prompt)

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

<code>C-c f</code>	insert function() definition outline
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Reading help files

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

<code>SPC</code>	Next page
<code>DEL</code>	Previous page
<code>b</code>	Previous page ('back')
<code>/</code>	Search forwards
<code>n</code>	Next section
<code>p</code>	Previous section
<code>s</code>	Skip ('jump') to a named section
<code>s e</code>	e.g., skip to “Examples:”
<code>l</code>	<u>Evaluate one 'Example' line</u>
<code>r</code>	Evaluate current region
<code>h</code>	Help on another object
<code>?</code>	Help for this mode
<code>q</code>	Return to S process ('quit')
<code>x</code>	Kill this buffer and return ('exit')