ESS   [**E**macs **S**peaks **S**tatistics]
Reference Card for S and R

updated for ESS 12.09-1

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Interacting with the process

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

⟨RET⟩	Send a command
C-c ⟨RET⟩	Copy old input
⟨TAB⟩	Complete object or file name.
	Also bound to M-⟨TAB⟩, M-C-i.
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

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):

⟨RET⟩	Send and Move
C-c C-n	Next prompt
C-c C-p	Previous prompt
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 (**C-c C-d**):

C-a, a	**A**propos
C-d, d	**D**oc on object
C-e, e	D**e**scribe object at point (C-e or e to cycle)
C-i, i	**I**ndex
C-v, v	**V**ignettes
C-o, o	Dem**o**s
C-w, w	**W**eb search (dialect dependent)

ess-extra-map (**C-c C-e**):

C-d, d	Dump object into edit buffer
C-i, i	Install package (in R) or library
C-l, l	Load package (in R) or library
C-t, t	Build tags for directory

Reading help files

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

`SPC`	Next page
`b, DEL`	Previous page ('**b**ack')
`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 ('e**x**it)
`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 browser

ESS tracebug

Activate from the menu or

```
(setq ess-use-tracebug t)
```

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

`T`	Toggle ess-tracebug
`?`	Show key help
`C-b, b`	Set BP (repeat to cycle)
`C-k, k`	Kill BP
`C-n, C-p`	Goto next/previous BP
`'`	Show R Traceback
`C-e, e`	Toggle error action (cycle)
`C-d, d`	Flag for debugging
`D`	Un-flag debugged objects
`C-w, w`	Watch window
`c, n, p, q`	Debugging commands
`0..9, q`	Recover commands

Others

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

To use a custom prefix key:

```
(setq ess-tracebug-prefix "\M-t")
```

ESS developer

Evaluate your code into the package (in **ess-dev-map**: **C-c C-t**):

`C-t, t`	Toggle developer on/off
`C-a, a`	Add package to the dev list
`C-r, r`	Remove package from dev list