

ESS [Emacs Speaks Statistics] 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 | Load 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 & <i>step</i> |
| C-⟨RET⟩ | Evaluate region or line & <i>step</i> |
| 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 | Apropos |
| C-d, d | Doc on object |
| C-e, e | Describe object at point (C-e or e to cycle) |
| C-i, i | Index |
| C-v, v | Vignettes |
| C-o, o | Demos |
| C-w, w | Web search (dialect dependent) |

ess-extra-map (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 |
| b, DEL | Previous page (<code>'back'</code>) |
| n | Next section |
| p | Previous section |
| s | Skip (<code>'jump'</code>) to a named section |
| s e | e.g., skip to <code>"Examples:"</code> |
| l | Evaluate one <code>'Example'</code> line |
| r | Evaluate current region |
| q | Quit window |
| k | Kill this buffer |
| x | Kill this buffer and return (<code>'exit'</code>) |
| h | Help on another object |
| ? | Help for this mode |
| a | Display <code>apropos</code> |
| i | Display index |
| v | Display vignettes |
| w | Display this help in web browser |

ESS traceback

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

| | |
|---------|-----------------------------------|
| ? | Show key help |
| C-b, b | Set BP (repeat to cycle) |
| C-k, k | Kill BP |
| 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 |
| 0..9, q | Recover commands |

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 | <code>'next-error'</code> (emacs) |
| M-g p | <code>'previous-error'</code> (emacs) |

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 |