ESS Quick Reference Guide (For ESS 5.1.19)

Process

M-x S/R		Start S-Plus or R. ESS allows you to run more than one ESS process simultaneously.
C-c C-k	ess-request-a-process	Switch to other ESS process.
C-c C-q	ess-quit	q()
C-c C-	ess-abort	

Interaction

RET	inferior-ess-send-input	Submit command.
C-c RET	comint-copy-old-input	If in a previous command line, copy the command, do not execute.
M-RET	ess-transcript-send-command-and-move	Execute, move to next command. Useful in debug.
C-c C-u	comint-kill-input	Delete everything from the prompt to point.
C-c C-a	comint-bol-or-process-mark	Move to the beginning of the line. (Suggest map to HOME.)
TAB	comint-dynamic-complete	Completion.
M-? (M-Shift-/)	ess-list-object-completions	List all possible completions of the object name at point.
M-r	comint-previous-matching-input	Regular search backward.
M-s	comint-next-matching-input	Regular search forward.
M-p (C-up)	comint-previous-input	Previous command.
M-n (C-down)	comint-next-input	Next command.

Manipulate Transcript

M-{	backward-paragraph	Move backward/forward through commands.
M-}	forward-paragraph	
M-h	mark-paragraph	Mark current command and output.
C-c C-e	comint-show-maximum-output	Move to the end of the buffer. **C-End** (end-of-buffer) has the same effect.
C-up (M-n)	comint-previous-input	Previous command.
C-down (M-p)	comint-next-input	Next command.
C-c C-o	comint-kill-output	Delete previous output.
C-c C-p	comint-previous-prompt	Move point to the preceding command in the process buffer.
C-c C-n	comint-next-prompt	Send current line, move to next prompt.
M-x ess-transcript-clean-region	ess-transcript-clean-region	Clean prompt and output, leave script.
C-x C-w	Save-buffer	Write current buffer.
C-x C-s		

Hot keys for S-Plus commands

C-c C-x	ess-execute-objects	Object() command.
C-c C-s	ess-execute-search	Search() command.
C-c C-e	ess-execute-in-tb	Prompt a command and execute.
C-c C-a	ess-execute-attach	prompt a directory to attach to the ESS process with attach() command.

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Editing Scripts

C-x C-f	find-file	Emacs command of open file. If the filename ends with .ssc, .s etc, it will be opened in S-Plus mode.
C-c C-d	ess-dump-object-into-edit-buffer	Edit an S-object in its own edit buffer.
C-c C-l	ess-load-file	Sources a file of commands to the ESS process.
C-x `	ess-parse-errors	Go to the line with error.
C-c C-j	ess-eval-line	Sends the current line to the ESS process. (Suggest
C-c M-j	ess-eval-line-and-go	map to F9). "and-go" returns to command window.
C-c C-f	ess-eval-function	Send current S function to the ESS process.
C-c M-f	ess-eval-function-and-go	
C-c C-r	ess-eval-region	Sends the current region to the ESS process. (Suggest
C-c M-r	ess-eval-region-and-go	map to F10)
C-c C-b	ess-eval-buffer	Sends the current buffer to the ESS process. (Suggest
C-c M-b	ess-eval-buffer-and-go	map to F11)
C-c C-n	ess-eval-line-and-step	Useful when debugging. (Suggest map to F9)
M-;	indent-for-comment	Quickly comment one line.
M-x ess-set-style	ess-set-style	GNU, BSD, K&R, CLB or C++ style.
C-c C-z	ess-switch-to-end-of-ESS	Switches to the end of ESS process buffer. (Suggest map to F12.)
C-c C-y	ess-switch-to-ESS	Switches the current buffer to the ESS process buffer.
C-c C-v	ess-display-help-on-object	Display help. (Suggest map to F1)
M-C-a	ess-beginning-of-function	Move to the beginning of the function.
M-C-e	ess-end-of-function	Move to the end of the function.
M-C-h	ess-mark-function	Select the function.

The extra key bindings mimic, but are not limited to S-Plus 2000 for windows. The emacs/lisp code for the key bindings can be found at http://www.stat.rice.edu/~helpdesk/dotfiles/.emacs.

Command Window:	
F1	Show help on a topic.
C-Up, C-Down	Navigate the command history.
TAB	Completion.
C-Home, C-End	Go to the beginning/end of the command window.
F12	Go to the end of the window.
Script Window: (open file with extension .ssc, .s .r)	
F9	Submit one line and go to the next command. (Useful for debugging.)
F10	Submit selection.
F11	Submit buffer.
F12	Go to the command window.

These key-bindings should be able to handle most of your ESS needs and release you from memorizing all the key bindings. You can also develop your own key-bindings following the examples.

This reference guide is for ESS-5.1.19 only. Functions might have been added or changed in later versions. Please send helpdesk@stat.rice.edu an email if you find any problem.

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