

IPython -- An enhanced Interactive Python - Quick Reference Card	
ipython	Open IPython terminal console
ipython qtconsole	Open IPython qtconsole
ipython notebook	Open IPython Notebook (browser interface)
ipython notebook --pylab inline	Open IPython Notebook with inline graphs
ipython notebook --pylab qt	Open IPython Notebook with popup graphs
ipython3	Use the Python3 version of IPython
ipython --help-all	Show all IPython start flags
Shortcuts:	
Shortcut	Action
Shift-Enter	run cell
Ctrl-Enter	run cell in-place
Alt-Enter	run cell, insert below
Ctrl-m x	cut cell
Ctrl-m c	copy cell
Ctrl-m v	paste cell
Ctrl-m d	delete cell
Ctrl-m z	undo last cell deletion
Ctrl-m -	split cell
Ctrl-m a	insert cell above
Ctrl-m b	insert cell below
Ctrl-m o	toggle output
Ctrl-m O	toggle output scroll
Ctrl-m l	toggle line numbers
Ctrl-m s	save notebook
Ctrl-m j	move cell down
Ctrl-m k	move cell up
Ctrl-m y	code cell
Ctrl-m m	markdown cell
Ctrl-m t	raw cell
Ctrl-m 1-6	heading 1-6 cell
Ctrl-m p	select previous
Ctrl-m n	select next
Ctrl-m i	interrupt kernel
Ctrl-m .	restart kernel
Ctrl-m h	show keyboard shortcuts

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Within IPython:	
obj?, obj??	Get help, or more help for object (also works as ?obj, ??obj).
?foo.*abc*	List names in 'foo' containing 'abc' in them.
%magic	Information about IPython's 'magic' % functions.
Magic functions are prefixed by % or %% , and typically take their arguments without parentheses, quotes or even commas for convenience. Line magics take a single % and cell magics are prefixed with two %%.	
Example magic function calls:	
%alias d ls -F	'd' is now an alias for 'ls -F'
alias d ls -F	Works if 'alias' not a python name
alist = %alias	Get list of aliases to 'alist'
cd /usr/share	Obvious. cd -<tab> to choose from visited dirs.
%cd??	See help AND source for magic %cd
%timeit x=10	time the 'x=10' statement with high precision.
%%timeit x=2**100 x**100	time 'x*100' with a setup of 'x=2**100'; setup code is not counted. This is an example of a cell magic.
System commands:	
!cp a.txt b/	System command escape, calls os.system()
cp a.txt b/	after %rehashx, most system commands work without !
cp \${f}.txt \$bar	Variable expansion in magics and system commands
files = !ls /usr	Capture sytem command output
files.s, files.l, files.n	"a b c", ['a','b','c'], 'a\nb\nc'
History:	
_i, _ii, _iii	Previous, next previous, next next previous input
_i4, _ih[2:5]	Input history line 4, lines 2-4
exec _i81	Execute input history line #81 again
%rep 81	Edit input history line #81
_, __, ___	previous, next previous, next next previous output
_dh	Directory history
_oh	Output history
%hist	Command history. '%hist -g foo' search history for 'foo'
Autocall:	
f 1,2	f(1,2) # Off by default, enable with %autocall magic.
/f 1,2	f(1,2) (forced autoparen)
,f 1 2	f("1","2")
;f 1 2	f("1 2")

The following magic functions are currently available:		%ls	Callable object storing the details of one alias.
		%lsmagic	List currently available magic functions.
%alias	Define an alias for a system command.	%lx	Callable object storing the details of one alias.
%alias_magic		%macro	Define a macro for future re-execution. It accepts ranges of history,
%autocall	Make functions callable without having to type parentheses.	%magic	Print information about the magic function system.
%automagic	Make magic functions callable without having to type the initial %.	%man	Find the man page for the given command and display in pager.
%autosave	Set the autosave interval in the notebook (in seconds).	%matplotlib	
%bookmark	Manage IPython's bookmark system.	%mkdir	Callable object storing the details of one alias.
%cat	Callable object storing the details of one alias.	%more	Show a file through the pager.
%cd	Change the current working directory.	%mv	Callable object storing the details of one alias.
%clear	Clear the terminal.	%notebook	
%colors	Switch color scheme for prompts, info system and exception handlers.	%page	Pretty print the object and display it through a pager.
%config	configure IPython	%pastebin	Upload code to Github's Gist paste bin, returning the URL.
%connect_info	Print information for connecting other clients to this kernel	%pdb	Control the automatic calling of the pdb interactive debugger.
%cp	Callable object storing the details of one alias.	%pdef	Print the call signature for any callable object.
%debug		%pdoc	Print the docstring for an object.
%dhist	Print your history of visited directories.	%pfile	Print (or run through pager) the file where an object is defined.
%dirs	Return the current directory stack.	%pinfo	Provide detailed information about an object.
%doctest_mode	Toggle doctest mode on and off.	%pinfo2	Provide extra detailed information about an object.
%ed	Alias for '%edit'.	%popd	Change to directory popped off the top of the stack.
%edit	Bring up an editor and execute the resulting code.	%pprint	Toggle pretty printing on/off.
%env	List environment variables.	%precision	Set floating point precision for pretty printing.
%gui	Enable or disable IPython GUI event loop integration.	%profile	Print your currently active IPython profile.
%hist	Alias for '%history'.	%prun	Run a statement through the python code profiler.
%history		%psearch	Search for object in namespaces by wildcard.
%install_default_config	%install_default_config has been deprecated.	%psource	Print (or run through pager) the source code for an object.
%install_ext	Download and install an extension from a URL, e.g.	%pushd	Place the current dir on stack and change directory.
%install_profiles	%install_profiles has been deprecated.	%pwd	Return the current working directory path.
%killbgscripts	Kill all BG processes started by %script and its family.	%pycat	Show a syntax-highlighted file through a pager.
%ldir	Callable object storing the details of one alias.	%pylab	
%less	Show a file through the pager.	%qtconsole	Open a qtconsole connected to this kernel.
%lf	Callable object storing the details of one alias.	%quickref	Show a quick reference sheet
%lk	Callable object storing the details of one alias.	%quickref_text	Return the quickref text to be assigned to a variable
%ll	Callable object storing the details of one alias.	%recall	Repeat a command, or get command to input line for editing.
%load	Load code into the current frontend.	%rehashx	Update the alias table with all executable files in \$PATH.
%load_ext	Load an IPython extension by its module name.	%reload_ext	Reload an IPython extension by its module name.
%loadpy	Alias of '%load'	%rep	Alias for '%recall'.
%logoff	Temporarily stop logging.	%rerun	Re-run previous input
%logon	Restart logging.	%reset	Resets the namespace by removing all names defined by the user, if
%logstart	Start logging anywhere in a session.	%reset_selective	Resets the namespace by removing names defined by the user.
%logstate	Print the status of the logging system.	%rm	Callable object storing the details of one alias.
%logstop	Fully stop logging and close log file.	%rmdir	Callable object storing the details of one alias.

%run	Run the named file inside IPython as a program.
%save	Save a set of lines or a macro to a given filename.
%sc	Shell capture - run shell command and capture output (DEPRECATED use !).
%store	Lightweight persistence for python variables.
%sx	Shell execute - run shell command and capture output (!! is short-hand).
%system	Shell execute - run shell command and capture output (!! is short-hand).
%tb	Print the last traceback with the currently active exception mode.
%time	Time execution of a Python statement or expression.
%timeit	Time execution of a Python statement or expression
%unalias	Remove an alias
%unload_ext	Unload an IPython extension by its module name.
%who	Print all interactive variables, with some minimal formatting.
%who_ls	Return a sorted list of all interactive variables.
%whos	Like %who, but gives some extra information about each variable.
%xdel	Delete a variable, trying to clear it from anywhere that
%xmode	Switch modes for the exception handlers.
%%!	Shell execute - run shell command and capture output (!! is short-hand).
%%HTML	Alias for `%%html`.
%%SVG	Alias for `%%svg`.
%%bash	%%bash script magic
%%capture	
%%debug	
%%file	Alias for `%%writefile`.
%%html	Render the cell as a block of HTML
%%javascript	Run the cell block of Javascript code
%%latex	Render the cell as a block of latex
%%perl	%%perl script magic
%%prun	Run a statement through the python code profiler.
%%pypy	%%pypy script magic
%%python	%%python script magic
%%python2	%%python2 script magic
%%python3	%%python3 script magic
%%ruby	%%ruby script magic
%%script	
%%sh	%%sh script magic
%%svg	Render the cell as an SVG literal
%%sx	Shell execute - run shell command and capture output (!! is short-hand).
%%system	Shell execute - run shell command and capture output (!! is short-hand).
%%time	Time execution of a Python statement or expression.
%%timeit	Time execution of a Python statement or expression
%%writefile	