






### Jupyter: Modes & Cell Types















#### 2 Jupyter Modes

	Edition Mode	[Intro] to Edition mode
	Command Mode	[Esc] to Command Mode



#### 3 Cell Types

	<b>Markdown</b> <i>texts or formats</i>
	<b>Raw</b> text, no format
	<b>Program code</b> e.g. Python, grey cell, <code>In [n]</code> before















### Command Mode [ESC] key

	Go to  <b>Edition Mode</b>
	Run Cell
[ctrl] 	
	Run Cell, Select Cell Under
	Run Cell, Insert Cell Below
[alt] 	
m	 <b>Markdown</b> Cell
y	 <b>Code</b> Cell
r	 <b>Raw</b> Cell
1	Header 1
2	Header 2, and so on.. 3,4,5,6
 / 	Select before / after cell
k / m	Select before / after cell
a / b	Insert cell below / under
x	Cut Cell
c	Copy Cell
v	Paste Cell Under
 v	Paste Cell Below
d d	Erase Cell
s /  S	Save and Checkpoint
L	Toggle Cell Numbers

### Command Mode [ESC] key (cont)



o	Toggle Outputs
h	Show Help
 / 	Scroll Screen Down / Up

### Mac / Windows Keyboards Equivalences

 Mac	 Windows	 Mac	 Windows
		[ctrl]	Control / ^
	Option / [alt]		[Shift]
	Enter / Return		[Intro]
	Tabulation/ [Tab]		[Space]
		[ctrl] Control	^

Note: The shortcuts may differ depending on your system configuration.







### Command History Shorcuts

[Ctrl] p or 	Access previous command in history
[Ctrl] n or 	Access next command in history
[Ctrl] r	Reverse-search through command history

### Miscellaneous Shortcuts

[Ctrl] L	Clear terminal screen
[Ctrl] C	Interrupt current Python comman
[Ctrl] D	Exit IPython session




### Edition Mode [Enter] / doble click

 Mac	 Windows 	Keys, Meaning
[Esc]	[Esc]	 <b>Command Mode</b>
 m	[ctrl] m	 <b>Command Mode</b>

### Indentation

	[tab]	 Indent , Complete Code
 	 [tab]	 Outdent
 ]	[ctrl] ]	 Indent
 [	[ctrl] [	 Outdent

### Navigation Shorcuts inside cell

	[alt] 	 1 word to left
	[alt] 	 1 word to right
 	[alt]  	  Erase left word

### ✎ Edition Mode [Enter] / doble click (cont)

⌘ [alt] ⌘ → Erase right word

⌘ a [ctrl] a ← beginning of line

⌘ e [ctrl] e → end of line

#### Cells

↑ / ↓ ↑ / ↓ ⏴ Cell Below / ⏵ Cell Under

⌘ ↑ [ctrl] ↑ ⏴ To First Cell

⌘ ↓ [ctrl] ↓ ⏵ To Last cell

^ ↑ [ctrl] ↑ Split Cell

⌘ a [ctrl] a ⌘ Select All

⌘ z [ctrl] z ↶ Undo

⌘ y [ctrl] y ↷ Redo, as [ctrl] ⌘ z

#### Text Entry

⌘ d [ctrl] d ↶ → Erase next character

⌘ k [ctrl] k ⌘ → Cut text until end of line

⌘ u [ctrl] u ⌘ ← Cut text until end of line

⌘ y [ctrl] y 📋 Paste

⌘ t [ctrl] t ab ↻ ba Transpose previous two characters

### 📄 Markdown (cont)

**Headings** Use # followed by a blank space for notebook titles and section headings:

# title title (<h1> tag)

## major headings (<h2> tag)

### ## subheadings (<h3> tag), and so on subheadings

**Font** Text between symbol

#### Formats

**\*\* Bold**

**\* Italic**

#### Mathematical Symbols

\$x=y\$  $x=y$

**Line Break** <br>

**Colors** <font color=blue|red|green|pink|yellow>text</font>

**Indenting** > text (remember the space)

**Bullets** -

### 📄 Markdown (cont)

**Numbered** 1. (start)

#### lists

**Colored** end with </div>

#### note

#### boxes

<div class="alert alert-block alert-info">

<div class="alert alert-block alert-warning">

<div class="alert alert-block alert-success">

#### Graphics



**Geometric** Use this code with a decimal or hex reference number from:

**shapes** UTF-8 Geometric shapes &#reference\_number

<p>I will display &#9658;</p>

#### Horizontal lines: Use 3 asterisks

**Internal** <a id="section\_ID"></a>

#### links

Use this code for the link and make sure to test all the links! [section title](#section\_ID)

#### External links

\_\_ [link text](http://url) \_\_

See: IBM Data Science Experience

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