

Logistics for the **EuroPython 2016**
(<https://ep2016.europython.eu/conference/talks/ipython-in-depth>)
Ipython-in-depth tutorial
(<https://github.com/mjbright/ipython-in-depth>)

Based on the *official tutorial* (<https://github.com/ipython/ipython-in-depth>)

Monday 18th July, Room E - 2:15 PM, Bilbao ;-)

We will break for half an hour at 3:30 PM (Conference break)

we will still be available to help on the exercises

Setup-1: Open the tutorial page

Open the tutorial page on github

- github.com/mjbright/ipython-in-depth (<https://github.com/mjbright/ipython-in-depth>)

Open this document

- [EuroPython2016-Logistics.ipynb](https://github.com/mjbright/ipython-in-depth/EuroPython2016-Logistics.ipynb) (<https://github.com/mjbright/ipython-in-depth/EuroPython2016-Logistics.ipynb>)

Setup-2: Gitter channel

During the session you are encouraged to ask, and answer questions on the *Gitter Channel* here:

- <https://gitter.im/mjbright/ipython-in-depth> (<https://gitter.im/mjbright/ipython-in-depth>).

Please connect to the Gitter Channel

It is hoped that you can *help each other*.

You are welcome - *and encouraged* - to provide feedback after the session on this channel.

Setup-3: Download the tutorial repository

Either perform a git clone

- git clone <https://github.com/mjbright/ipython-in-depth> (<https://github.com/mjbright/ipython-in-depth>)

or download the zip file

- on command-line, wget <https://github.com/mjbright/ipython-in-depth/archive/master.zip> (<https://github.com/mjbright/ipython-in-depth/archive/master.zip>)

or download a zip file from the github page (following page) or from this [link to master.zip](https://github.com/mjbright/ipython-in-depth/archive/master.zip) (<https://github.com/mjbright/ipython-in-depth/archive/master.zip>)

Then unzip the file

Setup-4: Download the tutorial repository using the Browser

select "Clone or Ownload" then "Download ZIP"

The screenshot shows the GitHub repository page for 'mjbright / ipython-in-depth', which is a fork of 'ipython/ipython-in-depth'. The repository has 266 commits, 5 branches, 4 releases, and 15 contributors. The current branch is 'master'. A 'Clone or download' button is visible, which has opened a dropdown menu. The dropdown menu shows 'Clone with SSH' (with a link to 'Use HTTPS') and 'Download ZIP'. The 'Clone with SSH' option is selected, showing the SSH URL 'git@github.com:mjbright/ipython-in-depth.g' and a button to 'Open in Desktop'. The 'Download ZIP' button is also visible. The repository description is 'IPython in-depth Tutorial, first presented at PyCon 2012 — Edit'. The commit history shows three commits: 'Michael Bright Updated for Jupyter', 'examples Fix typo', and 'exercises Update widget exercises'. The 'images' directory is also listed with the commit 'Initial logistics page and renamed'.

Setup-5: Jupyter Installation

A quick [installation check \(http://jupyter.readthedocs.io/en/latest/install.html\)](http://jupyter.readthedocs.io/en/latest/install.html)

- We recommend to install the Anaconda Python distribution
- USB keys are available
 - sign up on the Anaconda Download [page \(https://www.continuum.io/downloads\)](https://www.continuum.io/downloads)
- Launch the notebook using the **jupyter notebook** command
- Open the *dashboard* by pointing your browser at
 - <http://localhost:8888> (<http://localhost:8888>)

Setup-6: Jupyter Installation-2

- If you see this in your Browser you're good to go !
- If not please ask for help



Files

Running

Clusters

Select items to perform actions on them.

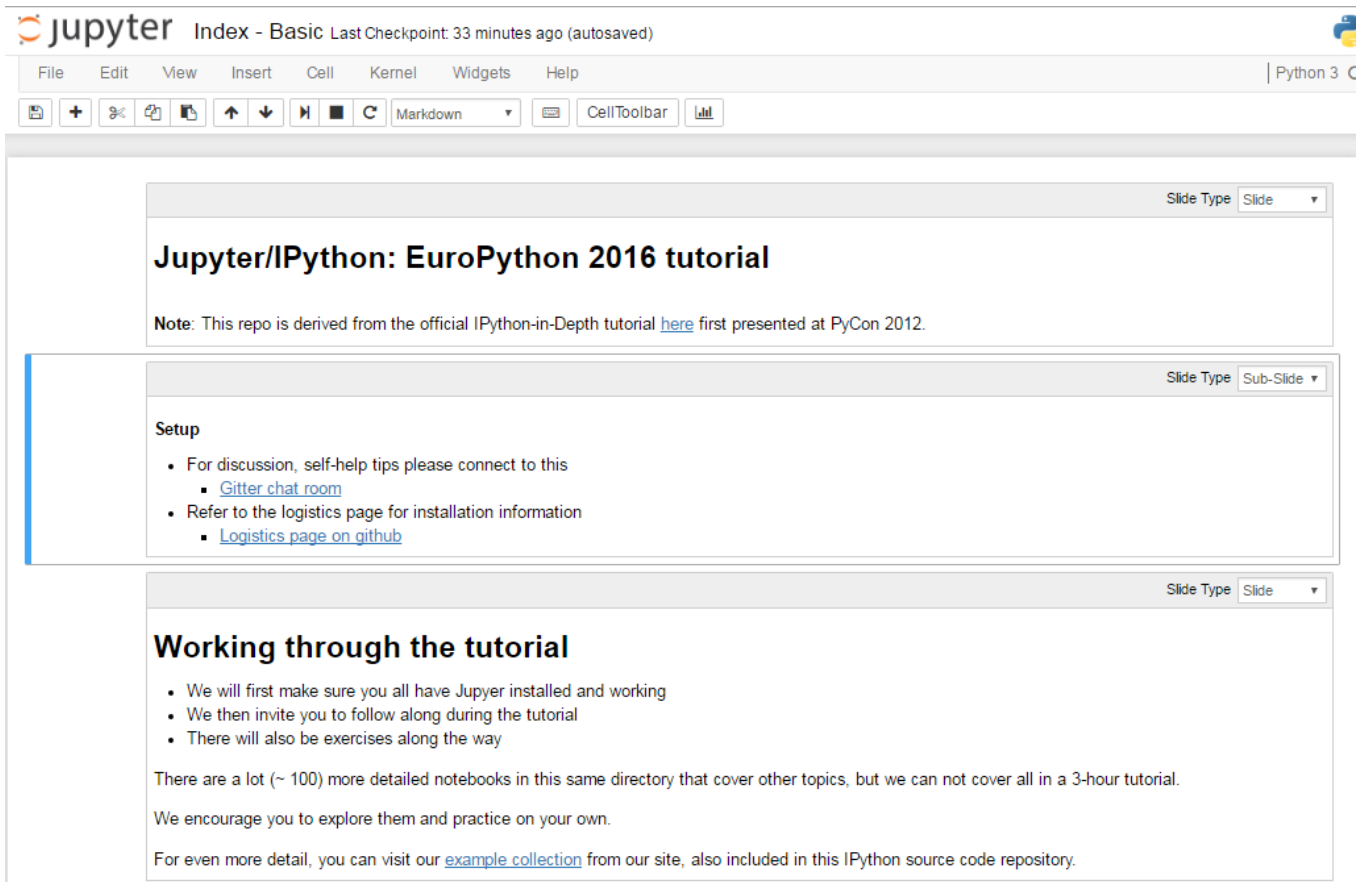
Upload

New ▾

↻

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	examples	
<input type="checkbox"/>	exercises	
<input type="checkbox"/>	tools	
<input type="checkbox"/>	EuroPython2016-Logistics.ipynb	Running
<input type="checkbox"/>	Index - Basic.ipynb	Running
<input type="checkbox"/>	Index - Interactive Widgets.ipynb	
<input type="checkbox"/>	Dockerfile	
<input type="checkbox"/>	Dockerfile.bash_metabash	
<input type="checkbox"/>	Dockerfile.branch	
<input type="checkbox"/>	Dockerfile.full	
<input type="checkbox"/>	Dockerfile.minimal	
<input type="checkbox"/>	fabfile.py	
<input type="checkbox"/>	LICENSE	
<input type="checkbox"/>	pycon-2015-abstract.md	
<input type="checkbox"/>	pycon-submission.md	
<input type="checkbox"/>	README.md	
<input type="checkbox"/>	test.py	
<input type="checkbox"/>	TODO	

Start: open the *Index - Basic.ipynb* notebook



The screenshot shows a Jupyter Notebook interface with the title "Index - Basic" and a status bar indicating "Last Checkpoint: 33 minutes ago (autosaved)". The interface includes a menu bar (File, Edit, View, Insert, Cell, Kernel, Widgets, Help) and a toolbar with icons for file operations, cell navigation, and execution. The notebook content is displayed as a series of slides.

Jupyter/IPython: EuroPython 2016 tutorial

Note: This repo is derived from the official IPython-in-Depth tutorial [here](#) first presented at PyCon 2012.

Setup

- For discussion, self-help tips please connect to this
 - [Gitter chat room](#)
- Refer to the logistics page for installation information
 - [Logistics page on github](#)

Working through the tutorial

- We will first make sure you all have Jupyter installed and working
- We then invite you to follow along during the tutorial
- There will also be exercises along the way

There are a lot (~ 100) more detailed notebooks in this same directory that cover other topics, but we can not cover all in a 3-hour tutorial.

We encourage you to explore them and practice on your own.

For even more detail, you can visit our [example collection](#) from our site, also included in this IPython source code repository.