

# Come installare python

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# Front-ends

Si può interagire con l'interprete in tre (o più) modi

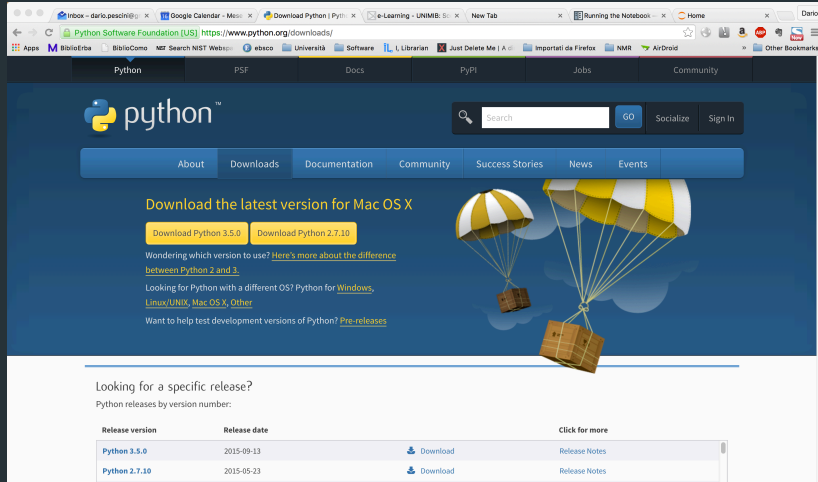
- 1 linea di comando (`python`, `ipython`)
- 2 da file sorgente (`ipython nomefile.py`)
- 3 notebook

Per tutti e tre i casi è necessario installare l'interprete.

# installare python

Versione ufficiale:

<https://www.python.org/downloads/>



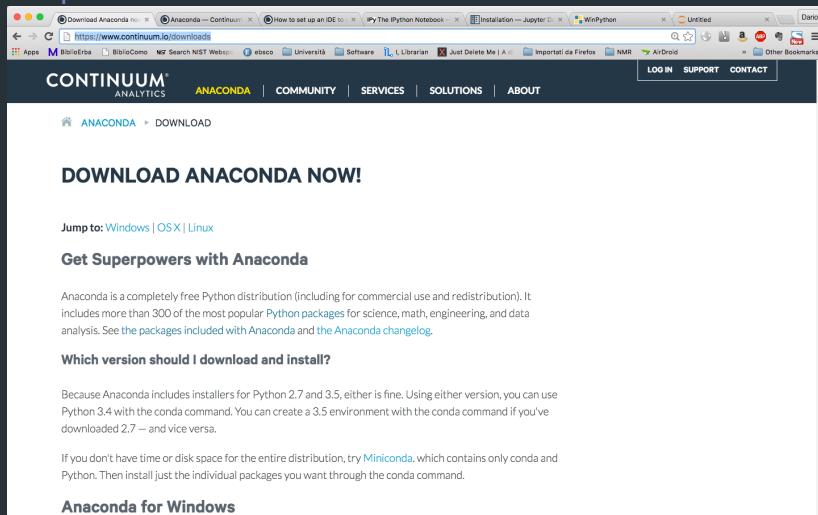
The screenshot shows the Python.org website with the following content:

- Navigation bar: Python, PSF, Docs, PyPI, Jobs, Community
- Search bar: Search [GO] Socialize Sign In
- Menu: About, Downloads, Documentation, Community, Success Stories, News, Events
- Section: Download the latest version for Mac OS X
- Buttons: Download Python 3.5.0, Download Python 2.7.10
- Text: Wondering which version to use? [Here's more about the difference between Python 2 and 3.](#)
- Text: Looking for Python with a different OS? Python for [Windows](#), [Linux/UNIX](#), [Mac OS X](#), [Other](#)
- Text: Want to help test development versions of Python? [Pre-releases](#)
- Image: Two parachutes with boxes hanging from them.
- Section: Looking for a specific release?
- Text: Python releases by version number:

Release version	Release date		Click for more
Python 3.5.0	2015-09-13	<a href="#">Download</a>	<a href="#">Release Notes</a>
Python 2.7.10	2015-05-23	<a href="#">Download</a>	<a href="#">Release Notes</a>

# installare python

Versione suggerita “ANACONDA”:  
<https://www.continuum.io/downloads>



The screenshot shows a web browser window with the URL <https://www.continuum.io/downloads>. The browser's address bar and tabs are visible at the top. The website's header features the "CONTINUUM ANALYTICS" logo and navigation links for "ANACONDA", "COMMUNITY", "SERVICES", "SOLUTIONS", and "ABOUT". There are also links for "LOG IN", "SUPPORT", and "CONTACT". The main content area has a breadcrumb trail "ANAACONDA > DOWNLOAD" and a large heading "DOWNLOAD ANACONDA NOW!". Below this, it says "Jump to: Windows | OSX | Linux" and "Get Superpowers with Anaconda". A paragraph explains that Anaconda is a free Python distribution with over 300 packages. A section titled "Which version should I download and install?" advises that either Python 2.7 or 3.5 is fine. At the bottom, it mentions "Miniconda" as an alternative for those with limited space. The footer of the page is partially visible with the heading "Anaconda for Windows".

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ANAACONDA > DOWNLOAD

## DOWNLOAD ANACONDA NOW!

Jump to: [Windows](#) | [OSX](#) | [Linux](#)

### Get Superpowers with Anaconda

Anaconda is a completely free Python distribution (including for commercial use and redistribution). It includes more than 300 of the most popular [Python packages](#) for science, math, engineering, and data analysis. See [the packages included with Anaconda](#) and [the Anaconda changelog](#).

#### Which version should I download and install?

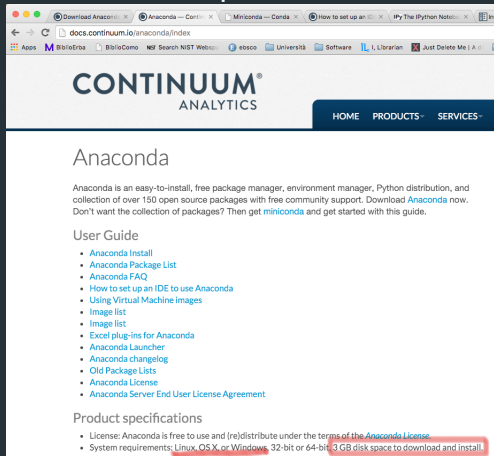
Because Anaconda includes installers for Python 2.7 and 3.5, either is fine. Using either version, you can use Python 3.4 with the conda command. You can create a 3.5 environment with the conda command if you've downloaded 2.7 — and vice versa.

If you don't have time or disk space for the entire distribution, try [Miniconda](#), which contains only conda and Python. Then install just the individual packages you want through the conda command.

### Anaconda for Windows

# installare python

Attenzione ai requisiti di sistema: 3GB disk space



The screenshot shows the Anaconda website. The browser's address bar displays 'docs.continuum.io/anaconda/index'. The website header includes the 'CONTINUUM ANALYTICS' logo and navigation links for 'HOME', 'PRODUCTS', and 'SERVICES'. The main heading is 'Anaconda', followed by a paragraph describing it as an easy-to-install, free package manager and Python distribution. Below this is a 'User Guide' section with a list of links: 'Anaconda Install', 'Anaconda Package List', 'Anaconda FAQ', 'How to set up an IDE to use Anaconda', 'Using Virtual Machine images', 'Image list', 'Image list', 'Excel plug-ins for Anaconda', 'Anaconda Launcher', 'Anaconda changelog', 'Old Package Lists', 'Anaconda License', and 'Anaconda Server End User License Agreement'. The 'Product specifications' section is at the bottom, with a red box highlighting the system requirements: 'Linux, OS X, or Windows, 32-bit or 64-bit, 3 GB disk space to download and install.'

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HOME PRODUCTS SERVICES

## Anaconda

Anaconda is an easy-to-install, free package manager, environment manager, Python distribution, and collection of over 150 open source packages with free community support. Download [Anaconda](#) now. Don't want the collection of packages? Then get [miniconda](#) and get started with this guide.

### User Guide

- [Anaconda Install](#)
- [Anaconda Package List](#)
- [Anaconda FAQ](#)
- [How to set up an IDE to use Anaconda](#)
- [Using Virtual Machine images](#)
- [Image list](#)
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- [Anaconda Launcher](#)
- [Anaconda changelog](#)
- [Old Package Lists](#)
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- [Anaconda Server End User License Agreement](#)

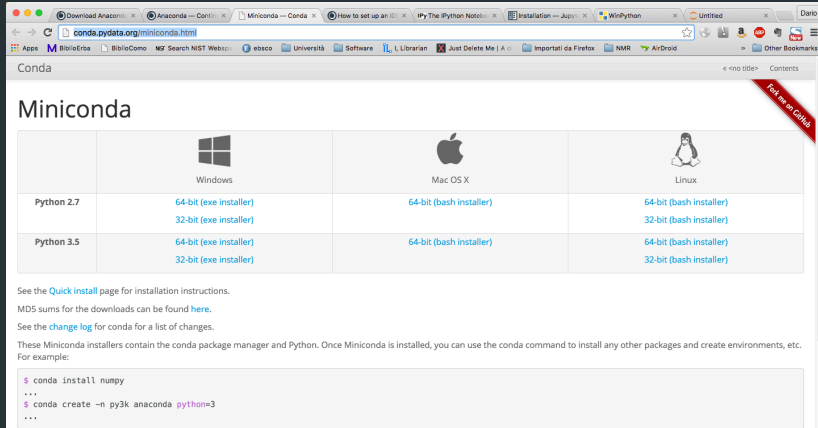
### Product specifications

- License: Anaconda is free to use and (re) distribute under the terms of the [Anaconda License](#)
- System requirements: [Linux, OS X, or Windows, 32-bit or 64-bit, 3 GB disk space to download and install.](#)

Ma tutte le librerie che useremo a lezione (e molto altre) sono comprese




# installare python

Alternativa: installare “miniconda” e successivamente le librerie “a mano”.



Conda

## Miniconda

	 Windows	 Mac OS X	 Linux
Python 2.7	<a href="#">64-bit (exe installer)</a> <a href="#">32-bit (exe installer)</a>	<a href="#">64-bit (bash installer)</a>	<a href="#">64-bit (bash installer)</a> <a href="#">32-bit (bash installer)</a>
Python 3.5	<a href="#">64-bit (exe installer)</a> <a href="#">32-bit (exe installer)</a>	<a href="#">64-bit (bash installer)</a>	<a href="#">64-bit (bash installer)</a> <a href="#">32-bit (bash installer)</a>

See the [Quick install](#) page for installation instructions.

MDS sums for the downloads can be found [here](#).

See the [change log](#) for conda for a list of changes.

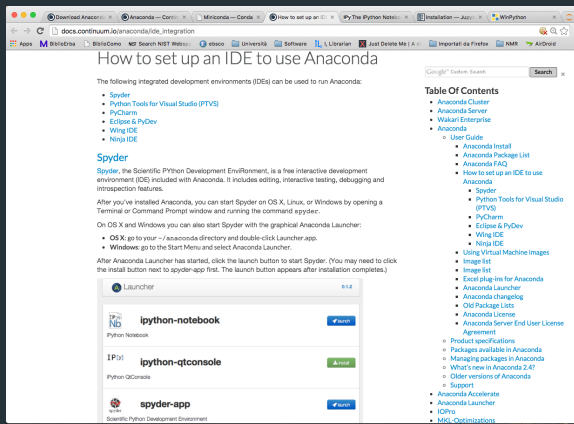
These Miniconda installers contain the conda package manager and Python. Once Miniconda is installed, you can use the conda command to install any other packages and create environments, etc. For example:

```
$ conda install numpy
...
$ conda create -n py3k anaconda python=3
...
```

<http://conda.pydata.org/miniconda.html>

# installare python - Editor

## ANACONDA installa di default l'editor "spyder"



How to set up an IDE to use Anaconda

The following integrated development environments (IDEs) can be used to run Anaconda:

- [Spyder](#)
- [Python Tools for Visual Studio \(PTVS\)](#)
- [PyCharm](#)
- [Eclipse & PyDev](#)
- [Wing IDE](#)
- [Ninja IDE](#)

### Spyder

Spyder, the Scientific Python Development Environment, is a free interactive development environment (IDE) included with Anaconda. It includes editing, interactive testing, debugging and introspection features.




After you've installed Anaconda, you can start Spyder on OS X, Linux, or Windows by opening a Terminal or Command Prompt window and running the command `spyder`.

On OS X and Windows you can also start Spyder with the graphical Anaconda Launcher:

- **OS X:** go to your `~/anaconda` directory and double-click Launcher app.
- **Windows:** go to the Start Menu and select Anaconda Launcher.

After Anaconda Launcher has started, click the launch button to start Spyder. (You may need to click the install button next to spyder-app first. The launch button appears after installation completes.)

Launcher 0.1.2

	<b>ipython-notebook</b>	<a href="#">Launch</a>
Python Notebook		
	<b>ipython-qtconsole</b>	<a href="#">Install</a>
Python QtConsole		
	<b>spyder-app</b>	<a href="#">Launch</a>
Scientific Python Development Environment		

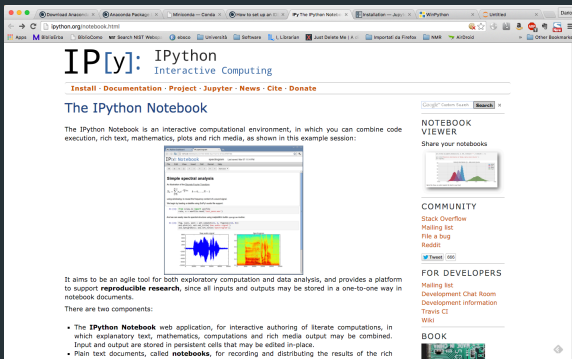
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  - [IOPro](#)
  - [MKL Optimizations](#)

ma potete usare quello che preferite.

# installare python - Notebook

ANACONDA installa di default anche il front-end “jupyter”



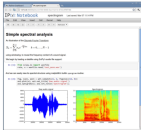
The screenshot shows the IPython Notebook website in a web browser. The browser's address bar displays 'python.org/notebook.html'. The website header features the 'IP[y]: IPython Interactive Computing' logo and navigation links: 'Install - Documentation - Project - Jupyter - News - Cite - Donate'. The main heading is 'The IPython Notebook'. Below it, a paragraph describes the notebook as an interactive computational environment for combining code execution, rich text, mathematics, plots, and rich media. An example session is shown in a screenshot of the notebook interface, displaying a 'Simple spectral analysis' with mathematical formulas, code cells, and a plot of a signal. To the right of the main content, there are sections for 'NOTEBOOK VIEWER', 'COMMUNITY' (with links to Stack Overflow, mailing list, bug reports, and social media), 'FOR DEVELOPERS' (with links to mailing list, chat room, development information, Travis CI, and Wiki), and 'BOOK'. The browser's tab bar at the top shows several open tabs, including 'Download Anaconda...', 'Anaconda Package...', 'How to set up an...', 'IPython Notebook...', 'Installation - Jupyter...', 'WorPython', and 'Untitled'.

IP[y]: IPython Interactive Computing

Install - Documentation - Project - Jupyter - News - Cite - Donate

## The IPython Notebook

The IPython Notebook is an interactive computational environment, in which you can combine code execution, rich text, mathematics, plots and rich media, as shown in this example session:




It aims to be an agile tool for both exploratory computation and data analysis, and provides a platform to support **reproducible research**, since all inputs and outputs may be stored in a one-to-one way in notebook documents.

There are two components:

- The **IPython Notebook** web application, for interactive authoring of literate computations, in which explanatory text, mathematics, computations and rich media output may be combined. Input and output are stored in persistent cells that may be edited in-place.
- Plain text documents, called **notebooks**, for recording and distributing the results of the rich

NOTEBOOK VIEWER

Share your notebooks




COMMUNITY

- Stack Overflow
- Mailing list
- File a bug
- Reddit
- Twitter
- Gitter

FOR DEVELOPERS

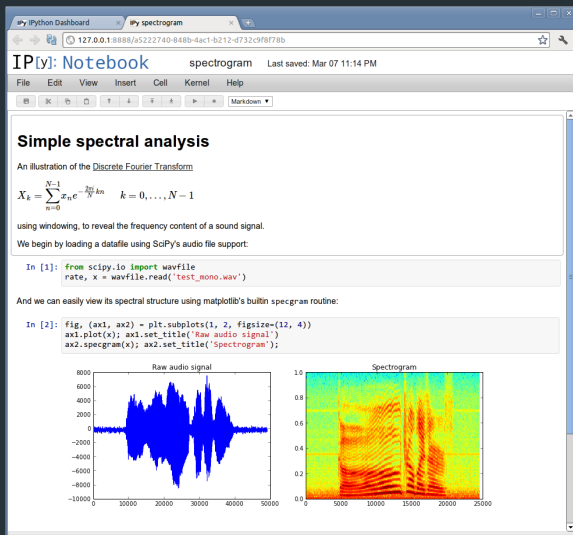
- Mailing list
- Development Chat Room
- Development information
- Travis CI
- Wiki

BOOK





# installare python - Notebook



# installare python - Notebook

`http://jupyter.readthedocs.org/en/latest/install.html`

The screenshot shows a web browser window with multiple tabs. The active tab is titled 'jupyter.readthedocs.org/en/latest/install.html'. The browser's address bar shows the URL. The page content is divided into a left sidebar and a main content area. The sidebar contains a search bar, a 'Jupyter Documentation latest' header, and a list of navigation links categorized under 'USER DOCUMENTATION', 'JUPYTER SUBPROJECTS', 'DEVELOPER DOCUMENTATION', and 'ABOUT JUPYTER'. The main content area has a header 'Docs > Installation' and an 'Edit on GitHub' link. The main heading is 'Installation', followed by the text 'Jupyter requires Python 2.7 or ≥ 3.3.'. A blue 'Note' box states: 'If you need to use Python 2.6 or 3.2, you can find IPython 1.2 [here](#).' Below this, it says 'This document will get you up and running with the the Jupyter Notebook.' and 'These installation instructions explain how to install the Jupyter Notebook and the IPython kernel.' Another blue box labeled 'See also' points to detailed instructions for individual subprojects. The section 'How to Install Jupyter Notebook' follows, explaining that the notebook runs code in various languages but is implemented in Python, requiring Python to be installed. The page ends with the heading 'Installation Scenarios'.

Jupyter Documentation  
latest

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How to Install Jupyter Notebook

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Migrating from IPython

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Jupyter on your system

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ABOUT JUPYTER

Jupyter for Data Science

Read the Docs

v: latest

Docs > Installation

Edit on GitHub

## Installation

Jupyter requires Python 2.7 or ≥ 3.3.

**Note**

If you need to use Python 2.6 or 3.2, you can find IPython 1.2 [here](#).

This document will get you up and running with the the Jupyter Notebook.

These installation instructions explain how to install the Jupyter Notebook and the IPython kernel.

**See also**

For detailed installation instructions for individual Jupyter or IPython subprojects, please see the documentation or GitHub repos of the individual subprojects listed in [Jupyter Subprojects](#) document.

## How to Install Jupyter Notebook

While the Jupyter Notebook allows users to run code in many different programming languages, the Jupyter Notebook itself is implemented in Python. To install Jupyter Notebook, you will also need Python installed on your system.

### Installation Scenarios

# installare python - Notebook

Per lanciare il notebook, eseguire il comando

`jupyter-notebook`

da terminale (linux, osX) o dal command prompt (windows).

```
dario@vulcano: jupyter-2.7 notebook-2.7
[I 10:26:52.426 NotebookApp] Serving notebooks from local directory: /Users/dario/ownCloud/Works/Didattica/Lezioni/Informatica/Esercizi
[I 10:26:52.426 NotebookApp] 0 active kernels
[I 10:26:52.426 NotebookApp] The IPython Notebook is running at: http://localhost:8888/
[I 10:26:52.426 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).

-
```

Nel browser web si aprirà un tab dove interagire con l'interprete.

# istallare python - Notebook

