

Get it from <http://winpython.github.io/> or from <https://anaconda.org/>.

For Windows users *WinPython* is recommended. You best install it into a separate directory `C:/Programs`.

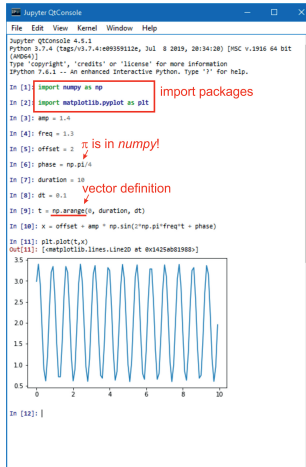
# Plotting a sine-wave

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Getting started

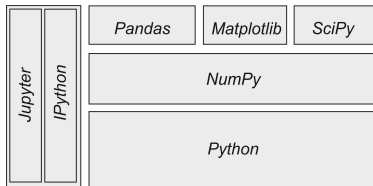
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Start a QtConsole, and try to implement the example as shown here.

## Python and *packages*



## Scientific Python Packages

<b>Numpy</b>	numerical algorithms
<b>Matplotlib</b>	plotting
<b>Scipy</b>	scientific computations (FFT, integration, ....)
<b>Pandas</b>	data structures
<b>IPython</b>	A powerful <i>interactive</i> shell for Python
<b>Jupyter</b>	Open-source applications for interactive and collaborative programming

## "Hands-on Signal Analysis with Python"



The first 50 pages of this book explain every step for getting started with Python. And: you can [download this book for free from our library!](#)

## "Python in Seven Steps"

[https://work.thaslwanter.at/py\\_intro/](https://work.thaslwanter.at/py_intro/)



A gradual introduction to Python, in seven steps. To-dos, links, and videos to support you when you get stuck.

# Help: If you have no clue where to start ...

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Getting started

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- ❶ **Important:** Read <http://www.scipy-lectures.org/>
- ❷ Unlike in *Matlab*, I typically start out with *Google*, e.g: `numpy create vector`
- ❸ Stick to a few standard resources:
  - <http://stackoverflow.com/>
  - <https://www.python.org/doc/>
  - <http://docs.scipy.org/doc/numpy/reference/>