

Installing Anaconda & Starting Jupyter Notebook and Spyder

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Installing Anaconda

Anaconda is one of the most popular Data Science Platforms and provides multiple different integrated development environments (IDE).

In this course we will primarily use Jupyter Notebook as an IDE, but you are free to use Spyder, PyCharm or any other Python IDE of your choosing.

Anaconda can be downloaded via the following link. Just choose the version for your distribution.

<https://www.anaconda.com/distribution/>

To start either jupyter notebook or spyder, open the anaconda prompt by typing in „anaconda prompt“ into the windows search bar and type in either „jupyter notebook“ or „spyder“

Alternatively you can directly search for either term in the windows search bar. But since we will change some settings later on, the first way is recommended.

The Jupyter Notebook UI is explained in the script, therefore only the Spyder UI is explained on the following slides.

Spyder UI

Next page

Navigate to folder with scripts
->
Set Console Working Directory

File explorer

Name	Size	Type	Date Modified
my_test		File Folder	12.10.2019 18:25
__pycache__		File Folder	12.10.2019 18:25
testing.py	33 bytes	py File	12.10.2019 18:25
datatypes_and_operators.py	2 KB	py File	12.10.2019 17:56
if_for_while.py	2 KB	py File	12.10.2019 18:07
import_and_performance.py	900 bytes	py File	12.10.2019 18:26

Variable explorer Help Profiler File explorer Find in files Project explorer

IPython console

Console 1/A

```
Python 3.7.4 (default, Aug 9 2019, 18:34:13) [MSC v.1915 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

IPython 7.8.0 -- An enhanced Interactive Python.
Restarting kernel...

In [1]: |
```

Outline IPython console History log

Permissions: RW End-of-lines: CRLF Encoding: UTF-8 Line: 8 Column: 1 Memory: 34 %

Change Syntax Coloring

Spyder (Python 3.7)

File Edit Search Source Run Debug Consoles Projects Tools View Help

Editor - C:\Users\Felix\Desktop\pythonschulung\Scripts\untitled3.py

```

1 # -*- coding: utf-8 -*-
2 """
3 Created on Sat Oct 12 18:32:17 2019
4
5 @author: Felix
6 """
7
8

```

File explorer

Name	Size	Type	Date Modified
my_test		File Folder	12.10.2019 18:25
pycache		File Folder	12.10.2019 18:25
testing.py	33 bytes	py File	12.10.2019 18:25
datatypes_and_operators.py	2 KB	py File	12.10.2019 17:56
if_for_while.py	2 KB	py File	12.10.2019 18:07
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Preferences

General

Keyboard shortcuts

Syntax coloring

Python interpreter

Run

Current working directory

Editor

IPython console

History log

Help

Variable explorer

Profiler

Static code analysis

Reset to defaults

Manage color schemes

Here you can select the color scheme used in the Editor and all other Spyder plugins.

You can also edit the color schemes provided by Spyder or create your own ones by using the options provided below.

Scheme: Spyder Dark

Edit selected

Reset

Delete

Create new scheme

Color scheme editor

Scheme name: Spyder Dark

Text

Normal text: #ffffff ☐ B ☐ I

Comment: #ffaa00 ☐ B ☐ I

String: #11a642 ☐ B ☒ I

Number: #c80000 ☐ B ☐ I

Keyword: #558eff ☐ B ☐ I

Builtin: #aa00aa ☐ B ☐ I

Definition: #ffff00 ☒ B ☐ I

Instance: #be5f00 ☐ B ☒ I

Highlight

Current cell: #31314e

Current line: #2b2b43

Occurrence: #abab67

Matched parens: #009800

Unmatched parens: #c80000

Link: #0000ff

Background

Background: #131926

Side areas: #282828

OK Cancel

Outline IPython console History log

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