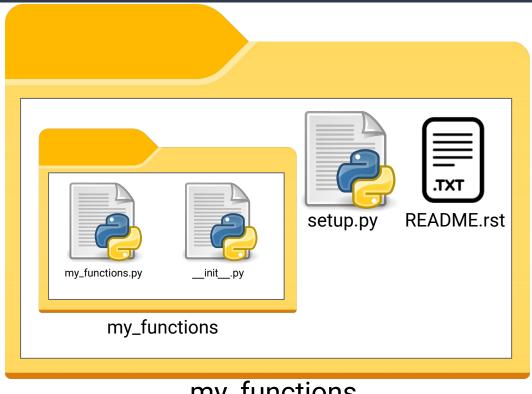
# Python packages

## Structure of python packages



my\_functions

#### Setup.py file

```
#! /usr/bin/env python
# -*- coding: utf-8 -*-
import os
import sys
from setuptools import setup
if sys.argv[-1] == "publish":
   os.system("python setup.py sdist upload")
   svs.exit()
setup(
   name="my_functions",
   version="1.0",
   author="Maude Charmetant",
   author email="mcharmetant@astro.uni-bonn.de"
   packages=["my functions"],
   url="https://github.com/AIfA-Radio/my functions",
   license="MIT License",
   description=("Python package containing my functions"),
    long_description=open("README.rst").read(),
   package data={"my functions": ["LICENSE"]},
    include package data=True,
   install requires=["numpy", "healpy"], #list all the package your functions need.
   classifiers=[
        "Development Status :: 5 - Production/Stable",
        "Intended Audience :: Developers",
        "Intended Audience :: Science/Research".
       "License :: OSI Approved :: MIT",
        "Operating System :: OS Independent",
       "Programming Language :: Python",
   zip safe=False,
```

## my\_functions.py

```
#Insert below all the packages needed by your functions to work
import numpy as np
#Insert below all the functions you want in your package.
def example 1(number):
    10101
    Function that multiply by 3.
    Parameters
    number : float
        Number we want to multiply by 3.
    Returns
    -----
    R : float
        Number multiplied by 3.
    1 1 1
    R = number * 3
    return R
def example_2(l):
    more above, which is despited to the first and the second
```

#### init\_\_.py

```
# -*- coding: utf-8 -*-
#

This file is part of the my_functions package.

#

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#

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```

"""my\_functions package provide a function that multiply by 3 and a function that multiply a list by 3.

```
__version__ = "1.0"
__bibtex__ = """
```

from .my\_functions import (example\_1,example\_2)

## Install package

- 1. Go to the directory were you store all your codes, packages
- 2. In Terminal : > python setup.py install
- 3. your package is installed!
- 4. import it using : import my\_functions as f
- 5. Reset your jupyter notebook kernel for it to work!