

Knime tips for using Python

- 1) You cannot extensively use the local or installed version of Python on Knime. A lot of simple libraries are not there, and you cannot install directly into Knime.
- 2) You need to use the integration for Knime Python (API) to Anaconda see below instructions here [KNIME Python Integration Installation Guide](#)
- 3) This creates a different Python environment in Conda called py3_knime.

Python

See [this guide](#) for details on how to install Python for use with KNIME.

Python environment configuration

☐ Bundled ☒ Conda ☐ Manual

Please use the [Conda preference page](#) to configure the path to the Conda installation directory.
Using Conda at 'C:\Users\crews\AppData\Local\anaconda3'. Conda version: 23.7.4

Python 3

Name of the Python 3 Conda environment

Python version: 3.9.19

- 4) To install Python libraries to use in Knime you need to do this at the Conda command prompt and change directory to environment to py3_knime. See video below for changing environment.

[How to Switch Between Different Environments in Anaconda Command Prompt | Simple Commands \(youtube.com\)](#)

Default environment is base. Use below command to see the list of environments. You will then see py3_knime.

```
(base) C:\Users\crews> conda env list
```

```
# conda environments:
#
C:\Users\crews\AppData\Local\Programs\KNIME\bundling\envs\com_pharmacelera_pharmacelera_extensions
C:\Users\crews\AppData\Local\Programs\KNIME\bundling\envs\graudata_mdh_extension
C:\Users\crews\AppData\Local\Programs\KNIME\bundling\envs\org_knime_python_giskard
C:\Users\crews\AppData\Local\Programs\KNIME\bundling\envs\org_knime_python_google_ads_ext
C:\Users\crews\AppData\Local\Programs\KNIME\bundling\envs\org_knime_python_llm
C:\Users\crews\AppData\Local\Programs\KNIME\bundling\envs\org_knime_python_presidio
C:\Users\crews\AppData\Local\Programs\KNIME\bundling\envs\org_knime_python_web
C:\Users\crews\AppData\Local\Programs\KNIME\bundling\envs\org_knime_pythonscripting
C:\Users\crews\AppData\Local\Programs\KNIME\bundling\envs\sdl_harvard_geospatial
C:\Users\crews\AppData\Local\Programs\KNIME\bundling\envs\se_redfield_textprocessing
base                * C:\Users\crews\AppData\Local\anaconda3
py2_knime           C:\Users\crews\AppData\Local\anaconda3\envs\py2_knime
py3_knime           C:\Users\crews\AppData\Local\anaconda3\envs\py3_knime
```

Then activate the py3_knime environment.

```
(base) C:\Users\crews> activate py3_knime
```

Then you can install the library and then that library will work in Knime Python Scripts

```
(py3_knime) C:\Users\crews> conda install datarie|
```