INSTRUCTIONS FOR   Netica-Py 0.91   –   The Python version of Netica API

Downloading Python:

Skip these steps if you are already running the latest version of Python.
** Netica-Py will only work with Python 3.6.x (or later) **
(The version can be checked with the command <python --version>)

If you do not have a current version of Python installed follow the steps below:

1. Download Python 3.7.x for Windows from python.org and follow instructions on installation
2. Ensure you check the box to add Python to the PATH (you can check that Python is installed and in path by typing <python –version> into the command line)

Getting Started:

1. Bring up a Command Prompt (e.g., by Win+R and type 'cmd'). Then use 'cd' to navigate to the directory where the file Netica_Py-0.91-py3-none-any.whl is stored
2. Install Netica-Py by using the command <pip install Netica_Py-0.91-py3-none-any.whl> You may want to use a virtual environment to do this, instructions found here: https://virtualenv.pypa.io/en/stable/
3. The source code and examples can be found by unzipping the file NeticaPy_Win_0.91.zip

Running Examples:

Gain a basic understanding of the Netica-Py syntax by reading, understanding, and running the examples contained in Netica-Py/examples.

To run the first example, bring up a Command Prompt (e.g., by Win+R and type 'cmd'). Then use 'cd' to navigate to the examples directory (e.g., 'cd C:Netica/NeticaPy 0.91/examples'). Finally, run the example by entering 'python Demo.py' (or just 'Demo.py'), and observe the printout. If it prints a final probability of Tuberculosis as 0.05, everything is working correctly.

The next three examples should be run in the order: BuildNet, SimulateCases, and LearnCPTs.

Results will appear in the 'Data Files' folder, and each example uses the output of the previous example (hence, the need to run them in order).

Each function available in Netica-Py matches an equivalent function of the Netica-C API. To understand how the function works, you can find the name of the corresponding function with the command <help(function)> and search the Netica-C documentation at: http://www.norsys.com/onLineAPIManual/index.html

This is an early version of Netica-Py and doesn't have a few rarely used Netica API functions or detailed documentation. If you need those functions contact Norsys (sophie@norsys.com) and we will add it for you.

In addition, please contact us if you have any questions, problems or suggestions. Netica-Py is still under development, and there may be changes made before the full release.