

Data Science

Survival Skills

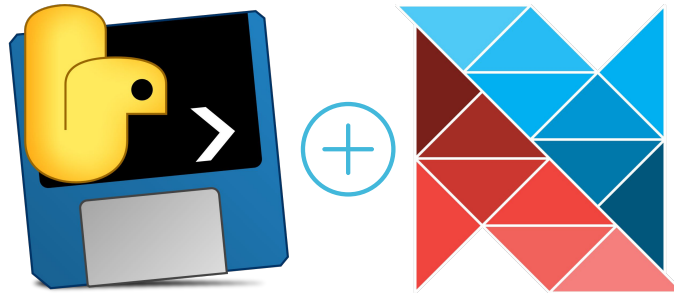
Exercise 7

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Hello everyone!

The purpose of this exercise is to create your own .EXE file from a Python code and make it installable!

To do it, we are going to use PyInstaller and NSIS.



Creating the .EXE file

1. Install PyInstaller <https://www.pyinstaller.org/> :

```
!pip install pyinstaller
```

2. Create the executable file from main.py using the icon of dsss!

```
pyinstaller -w --onefile --icon=dsss.ico main.py
```

3. Add a README.txt file to the folder of the .EXE and write a description of the programm.



Creating the .EXE file

If you are working on a virtual environment, you should add this argument to the step 2 (previous slide):

```
--paths path\to\venv\Lib\site-packages
```

Of course providing the right path to your venv!

<https://pyinstaller.readthedocs.io/en/stable/usage.html>



Creating the .EXE file

4. Create a folder containing the previously created executable file and the README.txt



5. Zip it!

We are now ready to create the installer!

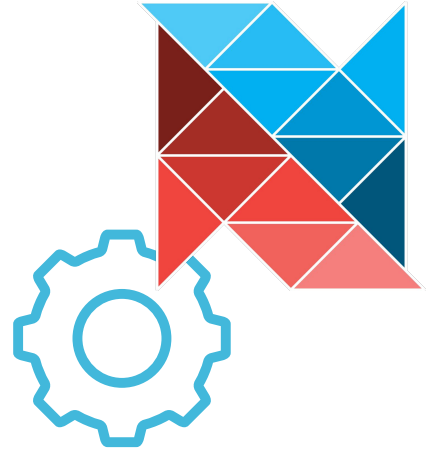


Make an installable using NSIS

1. Install Nullsoft Scriptable Install System:

<https://nsis.sourceforge.io/Download>

2. Create an installer based on your zip file.
3. Upload the installer to StudOn.



And we are done!

Thank you