

Pre-Requisites- Installation of dependencies of python

Date	7 October 2022
Team ID	PNT2022TMID23849
Project Name	Project - Digital Naturalist – AI Enabled tool for Biodiversity Researchers
Maximum Marks	4 Marks

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Anaconda Prompt (anaconda)

(base) C:\Users\Vimal Vinisha>pip install sklearn
Requirement already satisfied: sklearn in d:\anaconda\lib\site-packages (0.0.post1)

(base) C:\Users\Vimal Vinisha>
(base) C:\Users\Vimal Vinisha>pip install numpy
Requirement already satisfied: numpy in d:\anaconda\lib\site-packages (1.21.5)

(base) C:\Users\Vimal Vinisha>
(base) C:\Users\Vimal Vinisha>pip install pandas
Requirement already satisfied: pandas in d:\anaconda\lib\site-packages (1.4.4)
Requirement already satisfied: numpy>=1.18.5 in d:\anaconda\lib\site-packages (from pandas) (1.21.5)
Requirement already satisfied: python-dateutil>=2.8.1 in d:\anaconda\lib\site-packages (from pandas) (2.8.2)
Requirement already satisfied: pytz>=2020.1 in d:\anaconda\lib\site-packages (from pandas) (2022.1)
Requirement already satisfied: six>=1.5 in d:\anaconda\lib\site-packages (from python-dateutil>=2.8.1->pandas) (1.16.0)

(base) C:\Users\Vimal Vinisha>pip install matplotlib
Requirement already satisfied: matplotlib in d:\anaconda\lib\site-packages (3.5.2)
Requirement already satisfied: pyparsing>=2.2.1 in d:\anaconda\lib\site-packages (from matplotlib) (3.0.9)
Requirement already satisfied: fonttools>=4.22.0 in d:\anaconda\lib\site-packages (from matplotlib) (4.25.0)
Requirement already satisfied: pillow>=6.2.0 in d:\anaconda\lib\site-packages (from matplotlib) (9.2.0)
Requirement already satisfied: packaging>=20.0 in d:\anaconda\lib\site-packages (from matplotlib) (21.3)
Requirement already satisfied: numpy>=1.17 in d:\anaconda\lib\site-packages (from matplotlib) (1.21.5)
Requirement already satisfied: cycler>=0.10 in d:\anaconda\lib\site-packages (from matplotlib) (0.11.0)
Requirement already satisfied: kiwisolver>=1.0.1 in d:\anaconda\lib\site-packages (from matplotlib) (1.4.2)
Requirement already satisfied: python-dateutil>=2.7 in d:\anaconda\lib\site-packages (from matplotlib) (2.8.2)
Requirement already satisfied: six>=1.5 in d:\anaconda\lib\site-packages (from python-dateutil>=2.7->matplotlib) (1.16.0)

(base) C:\Users\Vimal Vinisha>pip install seaborn
Requirement already satisfied: seaborn in d:\anaconda\lib\site-packages (0.11.2)
Requirement already satisfied: scipy>=1.0 in d:\anaconda\lib\site-packages (from seaborn) (1.9.1)
Requirement already satisfied: pandas>=0.23 in d:\anaconda\lib\site-packages (from seaborn) (1.4.4)
Requirement already satisfied: numpy>=1.15 in d:\anaconda\lib\site-packages (from seaborn) (1.21.5)
Requirement already satisfied: matplotlib>=2.2 in d:\anaconda\lib\site-packages (from seaborn) (3.5.2)
Requirement already satisfied: python-dateutil>=2.7 in d:\anaconda\lib\site-packages (from matplotlib>=2.2->seaborn) (2.8.2)
Requirement already satisfied: fonttools>=4.22.0 in d:\anaconda\lib\site-packages (from matplotlib>=2.2->seaborn) (4.25.0)
Requirement already satisfied: packaging>=20.0 in d:\anaconda\lib\site-packages (from matplotlib>=2.2->seaborn) (21.3)
Requirement already satisfied: kiwisolver>=1.0.1 in d:\anaconda\lib\site-packages (from matplotlib>=2.2->seaborn) (1.4.2)
Requirement already satisfied: pillow>=6.2.0 in d:\anaconda\lib\site-packages (from matplotlib>=2.2->seaborn) (9.2.0)
Requirement already satisfied: pyparsing>=2.2.1 in d:\anaconda\lib\site-packages (from matplotlib>=2.2->seaborn) (3.0.9)
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Anaconda Prompt (anaconda)
Requirement already satisfied: cycler>=0.10 in d:\anaconda\lib\site-packages (from matplotlib>=2.2->seaborn) (0.11.0)
Requirement already satisfied: pytz>=2020.1 in d:\anaconda\lib\site-packages (from pandas>=0.23->seaborn) (2022.1)
Requirement already satisfied: six>=1.5 in d:\anaconda\lib\site-packages (from python-dateutil>=2.7->matplotlib>=2.2->seaborn) (1.16.0)

(base) C:\Users\Vimal Vinisha>python
Python 3.9.13 (main, Aug 25 2022, 23:51:50) [MSC v.1916 64 bit (AMD64)] :: Anaconda, Inc. on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> import numpy
>>> import pandas
>>> import matplotlib
>>> import seaborn
>>> quit()

(base) C:\Users\Vimal Vinisha>pip install tensorflow==1.14.0
ERROR: Could not find a version that satisfies the requirement tensorflow==1.14.0 (from versions: 2.5.0, 2.5.1, 2.5.2, 2.5.3, 2.6.0rc0, 2.6.0rc1, 2.6.0rc2, 2.6.0, 2.6.1, 2.6.2, 2.6.3, 2.6.4, 2.6.5, 2.7.0rc0, 2.7.0rc1, 2.7.0, 2.7.1, 2.7.2, 2.7.3, 2.7.4, 2.8.0rc0, 2.8.0rc1, 2.8.0, 2.8.1, 2.8.2, 2.8.3, 2.9.0rc0, 2.9.0rc1, 2.9.0rc2, 2.9.0, 2.9.1, 2.9.2, 2.10.0rc0, 2.10.0rc1, 2.10.0rc2, 2.10.0rc3, 2.10.0, 2.11.0rc0, 2.11.0rc1, 2.11.0rc2)
ERROR: No matching distribution found for tensorflow==1.14.0

(base) C:\Users\Vimal Vinisha>pip install tensorflow==2.10
Collecting tensorflow==2.10
  Downloading tensorflow-2.10.0-cp39-cp39-win_amd64.whl (455.9 MB)
    ----- 455.9/455.9 MB 285.5 kB/s eta 0:00:00
Collecting flatbuffers==2.0
  Downloading flatbuffers-22.10.26-py3-none-any.whl (26 kB)
Requirement already satisfied: packaging in d:\anaconda\lib\site-packages (from tensorflow==2.10) (21.3)
Requirement already satisfied: typing-extensions>=3.6.6 in d:\anaconda\lib\site-packages (from tensorflow==2.10) (4.3.0)
Collecting grpcio<2.0,>=1.24.3
  Downloading grpcio-1.50.0-cp39-cp39-win_amd64.whl (3.7 MB)
    ----- 3.7/3.7 MB 139.4 kB/s eta 0:00:00
Requirement already satisfied: h5py>=2.9.0 in d:\anaconda\lib\site-packages (from tensorflow==2.10) (3.7.0)
Collecting astunparse==1.6.0
  Downloading astunparse-1.6.3-py2.py3-none-any.whl (12 kB)
Collecting google-pasta==0.1.1
  Downloading google_pasta-0.2.0-py3-none-any.whl (57 kB)
    ----- 57.5/57.5 kB 151.4 kB/s eta 0:00:00
Collecting libclang==13.0.0
  Downloading libclang-14.0.6-py2.py3-none-win_amd64.whl (14.2 MB)
    ----- 14.2/14.2 MB 234.6 kB/s eta 0:00:00
Requirement already satisfied: setuptools in d:\anaconda\lib\site-packages (from tensorflow==2.10) (63.4.1)
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Anaconda Prompt (anaconda)
Collecting gast<0.4.0,>=0.2.1
  Downloading gast-0.4.0-py3-none-any.whl (9.8 kB)
Collecting tensorflow-estimator<2.11,>=2.10.0
  Downloading tensorflow_estimator-2.10.0-py2.py3-none-any.whl (438 kB)
    ----- 438.7/438.7 kB 318.8 kB/s eta 0:00:00
Collecting termcolor>=1.1.0
  Downloading termcolor-1.1.0-py3-none-any.whl (5.8 kB)
Requirement already satisfied: six>=1.12.0 in d:\anaconda\lib\site-packages (from tensorflow==2.10) (1.16.0)
Collecting keras-preprocessing>=1.1.1
  Downloading Keras_Preprocessing-1.1.2-py2.py3-none-any.whl (42 kB)
    ----- 42.6/42.6 kB 147.7 kB/s eta 0:00:00
Collecting tensorflow-io-gcs-filesystem>=0.23.1
  Downloading tensorflow_io_gcs_filesystem-0.27.0-cp39-cp39-win_amd64.whl (1.5 MB)
    ----- 1.5/1.5 MB 281.6 kB/s eta 0:00:00
Collecting absl-py>=1.0.0
  Downloading absl_py-1.3.0-py3-none-any.whl (124 kB)
    ----- 124.6/124.6 kB 304.9 kB/s eta 0:00:00
Collecting tensorboard<2.11,>=2.10
  Downloading tensorboard-2.10.1-py3-none-any.whl (5.9 MB)
    ----- 5.9/5.9 MB 341.1 kB/s eta 0:00:00
Collecting opt-einsum>=2.3.2
  Downloading opt_einsum-3.3.0-py3-none-any.whl (65 kB)
    ----- 65.5/65.5 kB 506.8 kB/s eta 0:00:00
Collecting protobuf<3.20,>=3.9.2
  Downloading protobuf-3.19.6-cp39-cp39-win_amd64.whl (895 kB)
    ----- 895.9/895.9 kB 282.1 kB/s eta 0:00:00
Requirement already satisfied: numpy>=1.20 in d:\anaconda\lib\site-packages (from tensorflow==2.10) (1.21.5)
Collecting keras<2.11,>=2.10.0
  Downloading Keras-2.10.0-py2.py3-none-any.whl (1.7 MB)
    ----- 1.7/1.7 MB 346.7 kB/s eta 0:00:00
Requirement already satisfied: wrapt>=1.11.0 in d:\anaconda\lib\site-packages (from tensorflow==2.10) (1.14.1)
Requirement already satisfied: wheel<1.0,>=0.23.0 in d:\anaconda\lib\site-packages (from astunparse>=1.6.0->tensorflow==2.10) (0.37.1)
Collecting google-auth-oauthlib>=0.5,>=0.4.1
  Downloading google_auth_oauthlib-0.4.6-py2.py3-none-any.whl (18 kB)
Requirement already satisfied: requests<3,>=2.21.0 in d:\anaconda\lib\site-packages (from tensorboard<2.11,>=2.10->tensorflow==2.10) (2.28.1)
Collecting tensorboard-plugin-wit>=1.6.0
  Downloading tensorboard_plugin_wit-1.8.1-py3-none-any.whl (781 kB)
    ----- 781.3/781.3 kB 320.4 kB/s eta 0:00:00
Collecting google-auth3,>=1.6.3
  Downloading google_auth-2.14.0-py2.py3-none-any.whl (175 kB)
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```
Anaconda Prompt (anaconda)

>>> import cv2
>>> cv2.__version__
'4.6.0'
>>> import numpy
>>> numpy.__version__
'1.21.5'
>>> keras.__version__
'2.2.4'
>>> quit()

(base) C:\Users\Vimal Vinisha>pip install flask
Requirement already satisfied: flask in d:\anaconda\lib\site-packages (1.1.2)
Requirement already satisfied: Jinja2>=2.10.1 in d:\anaconda\lib\site-packages (from flask) (2.11.3)
Requirement already satisfied: Werkzeug>=0.15 in d:\anaconda\lib\site-packages (from flask) (2.0.3)
Requirement already satisfied: click>=5.1 in d:\anaconda\lib\site-packages (from flask) (8.0.4)
Requirement already satisfied: itsdangerous>=0.24 in d:\anaconda\lib\site-packages (from flask) (2.0.1)
Requirement already satisfied: colorama in d:\anaconda\lib\site-packages (from click>=5.1->flask) (0.4.5)
Requirement already satisfied: MarkupSafe>=0.23 in d:\anaconda\lib\site-packages (from Jinja2>=2.10.1->flask) (2.0.1)

(base) C:\Users\Vimal Vinisha>
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