Date	15 November 2022
Team ID	PNT2022TMID48907
Project Name	Natural Disasters Intensity Analysis and Classification using Artificial Intelligence

Prerequisites

Prerequisites for Artificial Intelligence Hardware Specifications:
● Windows (minimum 10), Mac & Linux
● Ram - 4GB (minimum)
● Hard Disk - 100GB (minimum)
● Processor - Intel i3 (minimum), Mac M1 Software Specifications:
●Anaconda Navigator -
https://www.anaconda.com/products/distribution

● Jupyter notebook.
● Google Colab - https://colab.research.google.com/

● Spyder / VS Code / Pycharm IBM:
●IBM Account Creation - https://vimeo.com/742609168/1824d26a5b
 (Follow this video for IBM Skill Build Account Creation)
● IBM Skill Build - https://www.ibm.com/academic/home

● Webmail - https://sg2plmcpnl492529.prod.sin2.secureserver.net:2096/

● IBM Cloud - https://cloud.ibm.com/login

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Administrator: Anaconda Prompt (anaconda3)                                                                                                                    –  □  ×

Requirement already satisfied: setuptools in c:\users\user\anaconda3\lib\site-packages (from tensorflow) (61.2.0)
Collecting tensorflow-estimator<2.11,>=2.10.0
  Downloading tensorflow_estimator-2.10.0-py2.py3-none-any.whl (438 kB)
     |████████████████████████████████| 438 kB ...
Collecting gast<=0.4.0,>=0.2.1
  Downloading gast-0.4.0-py3-none-any.whl (9.8 kB)
Collecting flatbuffers>=2.0
  Downloading flatbuffers-2.0.7-py2.py3-none-any.whl (26 kB)
Requirement already satisfied: six>=1.12.0 in c:\users\user\anaconda3\lib\site-packages (from tensorflow) (1.16.0)
Requirement already satisfied: typing-extensions>=3.6.6 in c:\users\user\anaconda3\lib\site-packages (from tensorflow) (4.1.1)
Collecting libclang>=13.0.0
  Downloading libclang-14.0.6-py2.py3-none-win_amd64.whl (14.2 MB)
     |████████████████████████████████| 14.2 MB 6.4 MB/s
Requirement already satisfied: packaging in c:\users\user\anaconda3\lib\site-packages (from tensorflow) (21.3)
Requirement already satisfied: wrapt>=1.11.0 in c:\users\user\anaconda3\lib\site-packages (from tensorflow) (1.12.1)
Requirement already satisfied: grpcio<2.0,>=1.24.3 in c:\users\user\anaconda3\lib\site-packages (from tensorflow) (1.42.0)
Requirement already satisfied: wheel<1.0,>=0.23.0 in c:\users\user\anaconda3\lib\site-packages (from astunparse>=1.6.0->tensorflow) (0.37.1)
Requirement already satisfied: markdown>=2.6.8 in c:\users\user\anaconda3\lib\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (3.3.4)
Collecting tensorboard-data-server<0.7.0,>=0.6.0
  Downloading tensorboard_data_server-0.6.1-py3-none-any.whl (2.4 MB)
Requirement already satisfied: google-auth<3,>=1.6.3 in c:\users\user\anaconda3\lib\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (1.33.0)
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: werkzeug>=1.0.1 in c:\users\user\anaconda3\lib\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (2.0.3)
Requirement already satisfied: requests<3,>=2.21.0 in c:\users\user\anaconda3\lib\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (2.27.1)
Collecting tensorboard-plugin-wit>=1.6.0
  Downloading tensorboard_plugin_wit-1.8.1-py3-none-any.whl (781 kB)
     |████████████████████████████████| 781 kB 6.4 MB/s
Requirement already satisfied: cachetools<5.0,>=2.0.0 in c:\users\user\anaconda3\lib\site-packages (from google-auth<3,>=1.6.3->tensorboard<2.11,>=2.10->tensorflow) (4.2.2)
Requirement already satisfied: rsa<5,>=3.1.4 in c:\users\user\anaconda3\lib\site-packages (from google-auth<3,>=1.6.3->tensorboard<2.11,>=2.10->tensorflow) (4.7.2)
Requirement already satisfied: pyasn1-modules>=0.2.1 in c:\users\user\anaconda3\lib\site-packages (from google-auth<3,>=1.6.3->tensorboard<2.11,>=2.10->tensorflow) (0.2.8)
Collecting requests-oauthlib>=0.7.0
  Downloading requests_oauthlib-1.3.1-py2.py3-none-any.whl (23 kB)
Requirement already satisfied: pyasn1<0.5.0,>=0.4.6 in c:\users\user\anaconda3\lib\site-packages (from pyasn1-modules>=0.2.1->google-auth<3,>=1.6.3->tensorboard<2.11,>=2.10->tensorflow) (0.4.8)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\user\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (2021.10.8)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\user\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (1.26.9)
Requirement already satisfied: idna<4,>=2.5 in c:\users\user\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (3.3)
Requirement already satisfied: charset-normalizer~=2.0.0 in c:\users\user\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (2.0.4)
Collecting oauthlib>=3.0.0
  Downloading oauthlib-3.2.1-py3-none-any.whl (151 kB)
     |████████████████████████████████| 151 kB ...
Requirement already satisfied: pyparsing!=3.0.5,>=2.0.2 in c:\users\user\anaconda3\lib\site-packages (from packaging->tensorflow) (3.0.4)
Installing collected packages: oauthlib, requests-oauthlib, tensorboard-plugin-wit, tensorboard-data-server, google-auth-oauthlib, absl-py, termcolor, tensorflow-io-gcs-filesystem, tensorflow-estimator, tensorboard, opt-einsum, libclang,
keras-preprocessing, keras, google-pasta, gast, flatbuffers, astunparse, tensorflow
Successfully installed absl-py-1.2.0 astunparse-1.6.3 flatbuffers-2.0.7 gast-0.4.0 google-auth-oauthlib-0.4.6 google-pasta-0.2.0 keras-2.10.0 keras-preprocessing-1.1.2 libclang-14.0.6 oauthlib-3.2.1 opt-einsum-3.3.0 requests-oauthlib-1.3
.1 tensorboard-2.10.0 tensorboard-data-server-0.6.1 tensorboard-plugin-wit-1.8.1 tensorflow-2.10.0 tensorflow-estimator-2.10.0 tensorflow-io-gcs-filesystem-0.27.0 termcolor-2.0.1

(base) C:\Windows\System32>pip install keras
Requirement already satisfied: keras in c:\users\user\anaconda3\lib\site-packages (2.10.0)

(base) C:\Windows\System32>pip install Flask
Requirement already satisfied: Flask in c:\users\user\anaconda3\lib\site-packages (1.1.2)
Requirement already satisfied: Werkzeug>=0.15 in c:\users\user\anaconda3\lib\site-packages (from Flask) (2.0.3)
Requirement already satisfied: click>=5.1 in c:\users\user\anaconda3\lib\site-packages (from Flask) (8.0.4)
Requirement already satisfied: itsdangerous>=0.24 in c:\users\user\anaconda3\lib\site-packages (from Flask) (2.0.1)
Requirement already satisfied: Jinja2>=2.10.1 in c:\users\user\anaconda3\lib\site-packages (from Flask) (2.11.3)
Requirement already satisfied: colorama in c:\users\user\anaconda3\lib\site-packages (from click>=5.1->Flask) (0.4.4)
Requirement already satisfied: MarkupSafe>=0.23 in c:\users\user\anaconda3\lib\site-packages (from Jinja2>=2.10.1->Flask) (2.0.1)

(base) C:\Windows\System32>_
```