Assignment_3

June 20, 2023

1

[20]:
```
# Install all nessesary Libraries:

!pip install torch
!pip install tensorflow
# import tensorflow as tf
```

```
Collecting torch
  Downloading torch-1.13.1-cp37-cp37m-manylinux1_x86_64.whl (887.5 MB)
     |                              | 351.8 MB 125.8 MB/s eta 0:00:05
```

```
IOPub data rate exceeded.
The notebook server will temporarily stop sending output
to the client in order to avoid crashing it.
To change this limit, set the config variable
`--NotebookApp.iopub_data_rate_limit`.

Current values:
NotebookApp.iopub_data_rate_limit=1000000.0 (bytes/sec)
NotebookApp.rate_limit_window=3.0 (secs)
```

```
     |                        | 635.5 MB 97.2 MB/s eta 0:00:03 eta
3:43:32
```

```
IOPub data rate exceeded.
The notebook server will temporarily stop sending output
to the client in order to avoid crashing it.
To change this limit, set the config variable
`--NotebookApp.iopub_data_rate_limit`.

Current values:
NotebookApp.iopub_data_rate_limit=1000000.0 (bytes/sec)
NotebookApp.rate_limit_window=3.0 (secs)
```

```
     |                    | 887.5 MB 132.2 MB/s eta 0:00:01
|                   | 887.5 MB 4.8 kB/s
```

```
Collecting nvidia-cuda-runtime-cu11==11.7.99
  Downloading nvidia_cuda_runtime_cu11-11.7.99-py3-none-manylinux1_x86_64.whl
(849 kB)
     |                  | 849 kB 84.9 MB/s
Requirement already satisfied: typing-extensions in
/opt/conda/lib/python3.7/site-packages (from torch) (3.7.4.2)
Collecting nvidia-cudnn-cu11==8.5.0.96
  Downloading nvidia_cudnn_cu11-8.5.0.96-2-py3-none-manylinux1_x86_64.whl (557.1
MB)
     |                  | 526.0 MB 122.4 MB/s eta 0:00:01

IOPub data rate exceeded.
The notebook server will temporarily stop sending output
to the client in order to avoid crashing it.
To change this limit, set the config variable
`--NotebookApp.iopub_data_rate_limit`.

Current values:
NotebookApp.iopub_data_rate_limit=1000000.0 (bytes/sec)
NotebookApp.rate_limit_window=3.0 (secs)


     |                  | 557.1 MB 7.8 kB/s
Collecting nvidia-cuda-nvrtc-cu11==11.7.99
  Downloading nvidia_cuda_nvrtc_cu11-11.7.99-2-py3-none-manylinux1_x86_64.whl
(21.0 MB)
     |                  | 21.0 MB 106.8 MB/s
Collecting nvidia-cublas-cu11==11.10.3.66
  Downloading nvidia_cublas_cu11-11.10.3.66-py3-none-manylinux1_x86_64.whl
(317.1 MB)
     |                  | 317.1 MB 12 kB/s
Requirement already satisfied: wheel in /opt/conda/lib/python3.7/site-
packages (from nvidia-cublas-cu11==11.10.3.66->torch) (0.34.2)
Requirement already satisfied: setuptools in /opt/conda/lib/python3.7/site-
packages (from nvidia-cublas-cu11==11.10.3.66->torch) (46.1.3.post20200325)
Installing collected packages: nvidia-cublas-cu11, nvidia-cudnn-cu11, nvidia-
cuda-runtime-cu11, nvidia-cuda-nvrtc-cu11, torch
Successfully installed nvidia-cublas-cu11-11.10.3.66 nvidia-cuda-nvrtc-
cu11-11.7.99 nvidia-cuda-runtime-cu11-11.7.99 nvidia-cudnn-cu11-8.5.0.96
torch-1.13.1
WARNING: You are using pip version 21.3.1; however, version 23.1.2 is

available.

You should consider upgrading via the '/opt/conda/bin/python3 -m pip install

--upgrade pip' command.
Requirement already satisfied: tensorflow in /opt/conda/lib/python3.7/site-
packages (2.11.0)
Requirement already satisfied: grpcio<2.0,>=1.24.3 in
```

```
/opt/conda/lib/python3.7/site-packages (from tensorflow) (1.54.2)
Requirement already satisfied: google-pasta>=0.1.1 in
/opt/conda/lib/python3.7/site-packages (from tensorflow) (0.2.0)
Requirement already satisfied: astunparse>=1.6.0 in
/opt/conda/lib/python3.7/site-packages (from tensorflow) (1.6.3)
Requirement already satisfied: packaging in /opt/conda/lib/python3.7/site-
packages (from tensorflow) (20.1)
Requirement already satisfied: tensorflow-estimator<2.12,>=2.11.0 in
/opt/conda/lib/python3.7/site-packages (from tensorflow) (2.11.0)
Requirement already satisfied: numpy>=1.20 in /opt/conda/lib/python3.7/site-
packages (from tensorflow) (1.21.6)
Requirement already satisfied: tensorflow-io-gcs-filesystem>=0.23.1 in
/opt/conda/lib/python3.7/site-packages (from tensorflow) (0.32.0)
Requirement already satisfied: h5py>=2.9.0 in /opt/conda/lib/python3.7/site-
packages (from tensorflow) (2.10.0)
Requirement already satisfied: absl-py>=1.0.0 in /opt/conda/lib/python3.7/site-
packages (from tensorflow) (1.4.0)
Requirement already satisfied: six>=1.12.0 in /opt/conda/lib/python3.7/site-
packages (from tensorflow) (1.14.0)
Requirement already satisfied: keras<2.12,>=2.11.0 in
/opt/conda/lib/python3.7/site-packages (from tensorflow) (2.11.0)
Requirement already satisfied: termcolor>=1.1.0 in
/opt/conda/lib/python3.7/site-packages (from tensorflow) (2.3.0)
Requirement already satisfied: tensorboard<2.12,>=2.11 in
/opt/conda/lib/python3.7/site-packages (from tensorflow) (2.11.2)
Requirement already satisfied: protobuf<3.20,>=3.9.2 in
/opt/conda/lib/python3.7/site-packages (from tensorflow) (3.11.4)
Requirement already satisfied: flatbuffers>=2.0 in
/opt/conda/lib/python3.7/site-packages (from tensorflow) (23.5.26)
Requirement already satisfied: gast<=0.4.0,>=0.2.1 in
/opt/conda/lib/python3.7/site-packages (from tensorflow) (0.4.0)
Requirement already satisfied: typing-extensions>=3.6.6 in
/opt/conda/lib/python3.7/site-packages (from tensorflow) (3.7.4.2)
Requirement already satisfied: libclang>=13.0.0 in
/opt/conda/lib/python3.7/site-packages (from tensorflow) (16.0.0)
Requirement already satisfied: setuptools in /opt/conda/lib/python3.7/site-
packages (from tensorflow) (46.1.3.post20200325)
Requirement already satisfied: wrapt>=1.11.0 in /opt/conda/lib/python3.7/site-
packages (from tensorflow) (1.15.0)
Requirement already satisfied: opt-einsum>=2.3.2 in
/opt/conda/lib/python3.7/site-packages (from tensorflow) (3.3.0)
Requirement already satisfied: wheel<1.0,>=0.23.0 in
/opt/conda/lib/python3.7/site-packages (from astunparse>=1.6.0->tensorflow)
(0.34.2)
Requirement already satisfied: google-auth<3,>=1.6.3 in
/opt/conda/lib/python3.7/site-packages (from
tensorboard<2.12,>=2.11->tensorflow) (2.20.0)
Requirement already satisfied: requests<3,>=2.21.0 in
```

```
/opt/conda/lib/python3.7/site-packages (from
tensorboard<2.12,>=2.11->tensorflow) (2.23.0)
Requirement already satisfied: tensorboard-data-server<0.7.0,>=0.6.0 in
/opt/conda/lib/python3.7/site-packages (from
tensorboard<2.12,>=2.11->tensorflow) (0.6.1)
Requirement already satisfied: google-auth-oauthlib<0.5,>=0.4.1 in
/opt/conda/lib/python3.7/site-packages (from
tensorboard<2.12,>=2.11->tensorflow) (0.4.6)
Requirement already satisfied: tensorboard-plugin-wit>=1.6.0 in
/opt/conda/lib/python3.7/site-packages (from
tensorboard<2.12,>=2.11->tensorflow) (1.8.1)
Requirement already satisfied: werkzeug>=1.0.1 in /opt/conda/lib/python3.7/site-
packages (from tensorboard<2.12,>=2.11->tensorflow) (2.2.3)
Requirement already satisfied: markdown>=2.6.8 in /opt/conda/lib/python3.7/site-
packages (from tensorboard<2.12,>=2.11->tensorflow) (3.4.3)
Requirement already satisfied: pyparsing>=2.0.2 in
/opt/conda/lib/python3.7/site-packages (from packaging->tensorflow) (2.4.7)
Requirement already satisfied: pyasn1-modules>=0.2.1 in
/opt/conda/lib/python3.7/site-packages (from google-
auth<3,>=1.6.3->tensorboard<2.12,>=2.11->tensorflow) (0.3.0)
Requirement already satisfied: urllib3<2.0 in /opt/conda/lib/python3.7/site-
packages (from google-auth<3,>=1.6.3->tensorboard<2.12,>=2.11->tensorflow)
(1.25.9)
Requirement already satisfied: rsa<5,>=3.1.4 in /opt/conda/lib/python3.7/site-
packages (from google-auth<3,>=1.6.3->tensorboard<2.12,>=2.11->tensorflow) (4.9)
Requirement already satisfied: cachetools<6.0,>=2.0.0 in
/opt/conda/lib/python3.7/site-packages (from google-
auth<3,>=1.6.3->tensorboard<2.12,>=2.11->tensorflow) (5.3.1)
Requirement already satisfied: requests-oauthlib>=0.7.0 in
/opt/conda/lib/python3.7/site-packages (from google-auth-
oauthlib<0.5,>=0.4.1->tensorboard<2.12,>=2.11->tensorflow) (1.3.1)
Requirement already satisfied: importlib-metadata>=4.4 in
/opt/conda/lib/python3.7/site-packages (from
markdown>=2.6.8->tensorboard<2.12,>=2.11->tensorflow) (6.7.0)
Requirement already satisfied: certifi>=2017.4.17 in
/opt/conda/lib/python3.7/site-packages (from
requests<3,>=2.21.0->tensorboard<2.12,>=2.11->tensorflow) (2020.4.5.1)
Requirement already satisfied: idna<3,>=2.5 in /opt/conda/lib/python3.7/site-
packages (from requests<3,>=2.21.0->tensorboard<2.12,>=2.11->tensorflow) (2.9)
Requirement already satisfied: chardet<4,>=3.0.2 in
/opt/conda/lib/python3.7/site-packages (from
requests<3,>=2.21.0->tensorboard<2.12,>=2.11->tensorflow) (3.0.4)
Requirement already satisfied: MarkupSafe>=2.1.1 in
/opt/conda/lib/python3.7/site-packages (from
werkzeug>=1.0.1->tensorboard<2.12,>=2.11->tensorflow) (2.1.3)
Requirement already satisfied: zipp>=0.5 in /opt/conda/lib/python3.7/site-
packages (from importlib-
metadata>=4.4->markdown>=2.6.8->tensorboard<2.12,>=2.11->tensorflow) (3.1.0)
```

```
Requirement already satisfied: pyasn1<0.6.0,>=0.4.6 in
/opt/conda/lib/python3.7/site-packages (from pyasn1-modules>=0.2.1->google-
auth<3,>=1.6.3->tensorboard<2.12,>=2.11->tensorflow) (0.5.0)
Requirement already satisfied: oauthlib>=3.0.0 in /opt/conda/lib/python3.7/site-
packages (from requests-oauthlib>=0.7.0->google-auth-
oauthlib<0.5,>=0.4.1->tensorboard<2.12,>=2.11->tensorflow) (3.0.1)
WARNING: You are using pip version 21.3.1; however, version 23.1.2 is
available.
You should consider upgrading via the '/opt/conda/bin/python3 -m pip install
--upgrade pip' command.
```

[21]:
```
import tensorflow as tf

a = tf.constant(2)
b = tf.constant(3)

c = tf.add(a, b)

with tf.Session() as sess:
    result = sess.run(c)
    print(result)
```

```
␣
↪---------------------------------------------------------------------------

RuntimeError                              Traceback (most recent call␣
↪last)

RuntimeError: module compiled against API version 0xe but this version␣
↪of numpy is 0xd
```

```
␣
↪---------------------------------------------------------------------------

ImportError                               Traceback (most recent call␣
↪last)

ImportError: numpy.core.multiarray failed to import

The above exception was the direct cause of the following exception:
```

```
       SystemError                               Traceback (most recent call␣
↪last)

       SystemError: <built-in method __contains__ of dict object at␣
↪0x7f4f149e2870> returned a result with an error set


   The above exception was the direct cause of the following exception:


       ImportError                               Traceback (most recent call␣
↪last)

       <ipython-input-21-6243252b0385> in <module>
   ----> 1 import tensorflow as tf
         2
         3 a = tf.constant(2)
         4 b = tf.constant(3)
         5


       /opt/conda/lib/python3.7/site-packages/tensorflow/__init__.py in <module>
        35 import typing as _typing
        36
   ---> 37 from tensorflow.python.tools import module_util as _module_util
        38 from tensorflow.python.util.lazy_loader import LazyLoader as␣
↪_LazyLoader
        39


       /opt/conda/lib/python3.7/site-packages/tensorflow/python/__init__.py in␣
↪<module>
        35
        36 from tensorflow.python import pywrap_tensorflow as _pywrap_tensorflow
   ---> 37 from tensorflow.python.eager import context
        38
        39 # pylint: enable=wildcard-import


       /opt/conda/lib/python3.7/site-packages/tensorflow/python/eager/context.
↪py in <module>
        32 from tensorflow.python import pywrap_tfe
        33 from tensorflow.python import tf2
   ---> 34 from tensorflow.python.client import pywrap_tf_session
        35 from tensorflow.python.eager import executor
        36 from tensorflow.python.eager import monitoring
```

```
       /opt/conda/lib/python3.7/site-packages/tensorflow/python/client/
↪pywrap_tf_session.py in <module>
        17 # pylint: disable=invalid-import-order,g-bad-import-order,␣
↪wildcard-import, unused-import
        18 from tensorflow.python import pywrap_tensorflow
   ---> 19 from tensorflow.python.client._pywrap_tf_session import *
        20 from tensorflow.python.client._pywrap_tf_session import _TF_SetTarget
        21 from tensorflow.python.client._pywrap_tf_session import _TF_SetConfig


       ImportError: initialization failed
```

[8]:
```
# import cv2
import os
import numpy as np
import pandas as pd
from glob import glob
from PIL import Image
import seaborn as sns
import matplotlib.pyplot as plt
from skimage.io import imread

# Pytorch Libraries
import torch
import torchvision
import torch.nn as nn
import torch.optim as optim
import torch.nn.functional as F
from torch_geometric.nn import GCNConv, BatchNorm
import torch_geometric.transforms as T
import torch_geometric

from torch.optim import lr_scheduler
from torchvision import models, transforms
from torchvision.datasets import ImageFolder
from torch.utils.data import TensorDataset, DataLoader, Dataset

from sklearn.model_selection import train_test_split, GridSearchCV
from sklearn.calibration import CalibratedClassifierCV
from sklearn.ensemble import BaggingClassifier
from sklearn.metrics import confusion_matrix, roc_curve, roc_auc_score
from sklearn.metrics import classification_report, roc_curve, roc_auc_score,␣
 ↪confusion_matrix, precision_recall_curve, auc
from scikitplot.metrics import plot_roc_curve, plot_confusion_matrix
from sklearn.metrics import precision_score
```

```
from sklearn.metrics import recall_score
from sklearn.metrics import f1_score
from sklearn.svm import SVC

sns.set()
```

```
      ␣
↪---------------------------------------------------------------------------

       ModuleNotFoundError                       Traceback (most recent call␣
↪last)

       <ipython-input-8-5ebabd1c4b5d> in <module>
        10
        11 # Pytorch Libraries
   ---> 12 import torch
        13 import torchvision
        14 import torch.nn as nn


       ModuleNotFoundError: No module named 'torch'
```

[9]:
```
# Define the paths to the dataset
meta_data = pd.read_csv('/kaggle/input/histopathologic-cancer-detection/
 ↪train_labels.csv')
meta_data = meta_data.groupby('label', group_keys=False).apply(lambda x: x.
 ↪sample(2500))
meta_data.reset_index(drop=True, inplace=True)
meta_data.shape
```

```
      ␣
↪---------------------------------------------------------------------------

       FileNotFoundError                         Traceback (most recent call␣
↪last)

       <ipython-input-9-4807a5c6fa70> in <module>
         1 # Define the paths to the dataset
   ----> 2 meta_data = pd.read_csv('/kaggle/input/
↪histopathologic-cancer-detection/train_labels.csv')
         3 meta_data = meta_data.groupby('label', group_keys=False).
↪apply(lambda x: x.sample(2500))
         4 meta_data.reset_index(drop=True, inplace=True)
         5 meta_data.shape
```

```
       /opt/conda/lib/python3.7/site-packages/pandas/io/parsers.py in␣
↪parser_f(filepath_or_buffer, sep, delimiter, header, names, index_col,␣
↪usecols, squeeze, prefix, mangle_dupe_cols, dtype, engine, converters,␣
↪true_values, false_values, skipinitialspace, skiprows, skipfooter, nrows,␣
↪na_values, keep_default_na, na_filter, verbose, skip_blank_lines, parse_dates,␣
↪infer_datetime_format, keep_date_col, date_parser, dayfirst, cache_dates,␣
↪iterator, chunksize, compression, thousands, decimal, lineterminator,␣
↪quotechar, quoting, doublequote, escapechar, comment, encoding, dialect,␣
↪error_bad_lines, warn_bad_lines, delim_whitespace, low_memory, memory_map,␣
↪float_precision)
       674         )
       675
   --> 676         return _read(filepath_or_buffer, kwds)
       677
       678     parser_f.__name__ = name


       /opt/conda/lib/python3.7/site-packages/pandas/io/parsers.py in␣
↪_read(filepath_or_buffer, kwds)
       446
       447     # Create the parser.
   --> 448     parser = TextFileReader(fp_or_buf, **kwds)
       449
       450     if chunksize or iterator:


       /opt/conda/lib/python3.7/site-packages/pandas/io/parsers.py in␣
↪__init__(self, f, engine, **kwds)
       878             self.options["has_index_names"] = kwds["has_index_names"]
       879
   --> 880         self._make_engine(self.engine)
       881
       882     def close(self):


       /opt/conda/lib/python3.7/site-packages/pandas/io/parsers.py in␣
↪_make_engine(self, engine)
      1112     def _make_engine(self, engine="c"):
      1113         if engine == "c":
   -> 1114             self._engine = CParserWrapper(self.f, **self.options)
      1115         else:
      1116             if engine == "python":
```

```
      /opt/conda/lib/python3.7/site-packages/pandas/io/parsers.py in␣
↪__init__(self, src, **kwds)
     1889         kwds["usecols"] = self.usecols
     1890
  -> 1891         self._reader = parsers.TextReader(src, **kwds)
     1892         self.unnamed_cols = self._reader.unnamed_cols
     1893


      pandas/_libs/parsers.pyx in pandas._libs.parsers.TextReader.__cinit__()


      pandas/_libs/parsers.pyx in pandas._libs.parsers.TextReader.
↪_setup_parser_source()


      FileNotFoundError: [Errno 2] File /kaggle/input/
↪histopathologic-cancer-detection/train_labels.csv does not exist: '/kaggle/
↪input/histopathologic-cancer-detection/train_labels.csv'
```

[10]:
```
# Define the paths to the dataset
train_folder = "/kaggle/input/histopathologic-cancer-detection/train"
test_folder = "/kaggle/input/histopathologic-cancer-detection/test"
labels_file = "/kaggle/input/histopathologic-cancer-detection/train_labels.csv"
```

[11]:
```
# Load the labels file
labels_df = pd.read_csv(labels_file)
```

```
     ␣
↪---------------------------------------------------------------------------

      FileNotFoundError                         Traceback (most recent call␣
↪last)

      <ipython-input-11-8deb9de60b85> in <module>
        1 # Load the labels file
  ----> 2 labels_df = pd.read_csv(labels_file)
```

```
      /opt/conda/lib/python3.7/site-packages/pandas/io/parsers.py in␣
↪parser_f(filepath_or_buffer, sep, delimiter, header, names, index_col,␣
↪usecols, squeeze, prefix, mangle_dupe_cols, dtype, engine, converters,␣
↪true_values, false_values, skipinitialspace, skiprows, skipfooter, nrows,␣
↪na_values, keep_default_na, na_filter, verbose, skip_blank_lines, parse_dates,␣
↪infer_datetime_format, keep_date_col, date_parser, dayfirst, cache_dates,␣
↪iterator, chunksize, compression, thousands, decimal, lineterminator,␣
↪quotechar, quoting, doublequote, escapechar, comment, encoding, dialect,␣
↪error_bad_lines, warn_bad_lines, delim_whitespace, low_memory, memory_map,␣
↪float_precision)
      674         )
      675
  --> 676         return _read(filepath_or_buffer, kwds)
      677
      678     parser_f.__name__ = name


      /opt/conda/lib/python3.7/site-packages/pandas/io/parsers.py in␣
↪_read(filepath_or_buffer, kwds)
      446
      447     # Create the parser.
  --> 448     parser = TextFileReader(fp_or_buf, **kwds)
      449
      450     if chunksize or iterator:


      /opt/conda/lib/python3.7/site-packages/pandas/io/parsers.py in␣
↪__init__(self, f, engine, **kwds)
      878             self.options["has_index_names"] = kwds["has_index_names"]
      879
  --> 880         self._make_engine(self.engine)
      881
      882     def close(self):


      /opt/conda/lib/python3.7/site-packages/pandas/io/parsers.py in␣
↪_make_engine(self, engine)
     1112     def _make_engine(self, engine="c"):
     1113         if engine == "c":
  -> 1114             self._engine = CParserWrapper(self.f, **self.options)
     1115         else:
     1116             if engine == "python":


      /opt/conda/lib/python3.7/site-packages/pandas/io/parsers.py in␣
↪__init__(self, src, **kwds)
     1889         kwds["usecols"] = self.usecols
```

```
   1890
-> 1891         self._reader = parsers.TextReader(src, **kwds)
   1892         self.unnamed_cols = self._reader.unnamed_cols
   1893

pandas/_libs/parsers.pyx in pandas._libs.parsers.TextReader.__cinit__()

pandas/_libs/parsers.pyx in pandas._libs.parsers.TextReader.
↪_setup_parser_source()

FileNotFoundError: [Errno 2] File /kaggle/input/
↪histopathologic-cancer-detection/train_labels.csv does not exist: '/kaggle/
↪input/histopathologic-cancer-detection/train_labels.csv'
```

[16]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
import tensorflow as tf
```

```
␣
↪---------------------------------------------------------------------------

RuntimeError                              Traceback (most recent call␣
↪last)

RuntimeError: module compiled against API version 0xe but this version␣
↪of numpy is 0xd

␣
↪---------------------------------------------------------------------------

ImportError                               Traceback (most recent call␣
↪last)

ImportError: numpy.core.multiarray failed to import

The above exception was the direct cause of the following exception:
```

```
      SystemError                               Traceback (most recent call␣
↪last)

      SystemError: <built-in method __contains__ of dict object at␣
↪0x7f4f14a96eb0> returned a result with an error set


   The above exception was the direct cause of the following exception:


      ImportError                               Traceback (most recent call␣
↪last)

      <ipython-input-16-127b6f017ae0> in <module>
        3 import matplotlib.pyplot as plt
        4 import seaborn as sns
   ----> 5 import tensorflow as tf


      /opt/conda/lib/python3.7/site-packages/tensorflow/__init__.py in <module>
       35 import typing as _typing
       36
   ---> 37 from tensorflow.python.tools import module_util as _module_util
       38 from tensorflow.python.util.lazy_loader import LazyLoader as␣
↪_LazyLoader
       39


      /opt/conda/lib/python3.7/site-packages/tensorflow/python/__init__.py in␣
↪<module>
       35
       36 from tensorflow.python import pywrap_tensorflow as _pywrap_tensorflow
   ---> 37 from tensorflow.python.eager import context
       38
       39 # pylint: enable=wildcard-import


      /opt/conda/lib/python3.7/site-packages/tensorflow/python/eager/context.
↪py in <module>
       32 from tensorflow.python import pywrap_tfe
       33 from tensorflow.python import tf2
   ---> 34 from tensorflow.python.client import pywrap_tf_session
       35 from tensorflow.python.eager import executor
       36 from tensorflow.python.eager import monitoring
```

```
        /opt/conda/lib/python3.7/site-packages/tensorflow/python/client/
↪pywrap_tf_session.py in <module>
        17 # pylint: disable=invalid-import-order,g-bad-import-order,␣
↪wildcard-import, unused-import
        18 from tensorflow.python import pywrap_tensorflow
   ---> 19 from tensorflow.python.client._pywrap_tf_session import *
        20 from tensorflow.python.client._pywrap_tf_session import _TF_SetTarget
        21 from tensorflow.python.client._pywrap_tf_session import _TF_SetConfig


        ImportError: initialization failed
```

[ ]:
```
train_labels = pd.read_csv('/kaggle/input/histopathologic-cancer-detection/
↪train_labels.csv')
sample_submission = pd.read_csv('/kaggle/input/histopathologic-cancer-detection/
↪sample_submission.csv')
```

[ ]:
```
train_labels.isna().sum()
```

[ ]:

[ ]:

[ ]: