

Name: Guillermo Leija Renteria

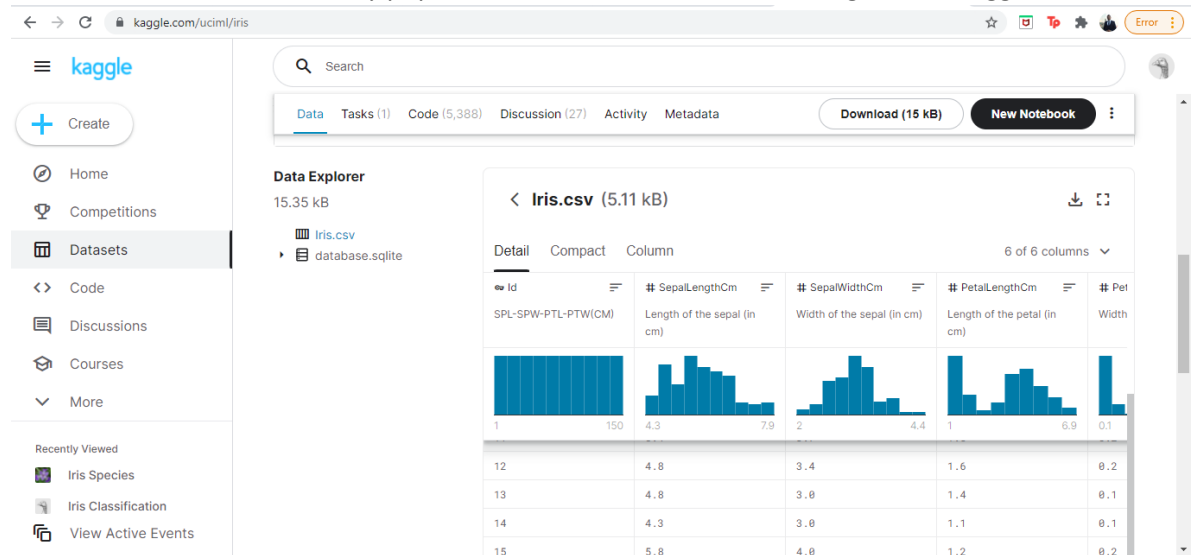
Batch code: 1

Submission date: Oct 22th, 2021

Submitted to: Data Glacier

1. Selection of data

The data selected was the very popular dataframe called "Iris". It was got from Kaggle.com



2. Saving of Model

The model was created and tested

The screenshot shows a Google Colab notebook titled 'Week4model.ipynb'. The code in the notebook is as follows:

```
# Importing the libraries
import numpy as np
import pandas as pd
import pickle

from sklearn.datasets import load_iris
from sklearn import tree

iris = pd.read_csv("Iris.csv")
iris = iris.drop(columns="Id")

X = iris.loc[:, ['SepalLengthCm', 'SepalWidthCm', 'PetalLengthCm', 'PetalWidthCm']]
y = iris.iloc[:, -1]

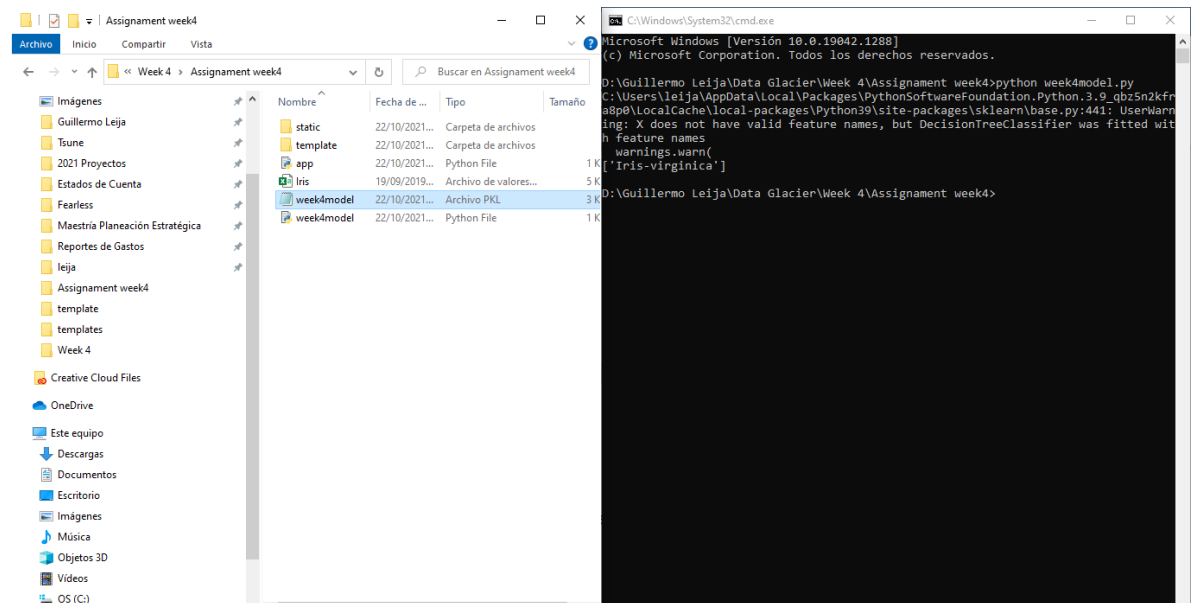
clf = tree.DecisionTreeClassifier()
clf = clf.fit(X, y)

# Saving model to disk
pickle.dump(clf, open('Week4model.pkl', 'wb'))
# Loading model to compare the results
model = pickle.load(open('Week4model.pkl', 'rb'))

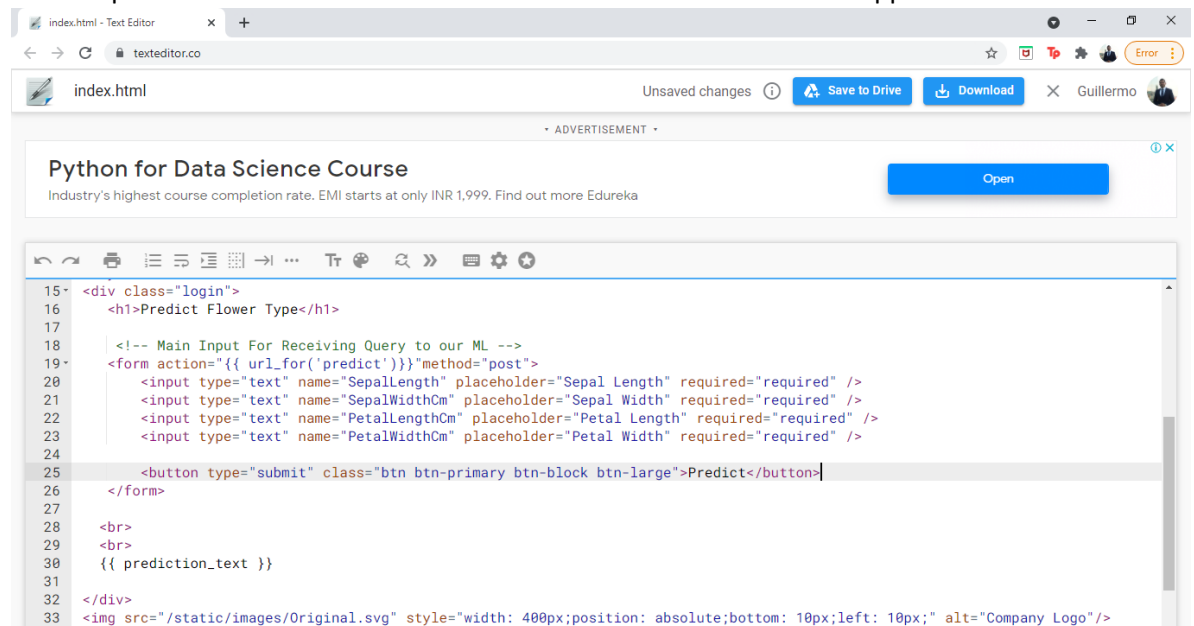
print(model.predict([[2, 3, 5, 1]]))

['Iris-virginica']
```

Then, the file .fkl of the model was created by running the .py model file in the command prompt.



The template of the .html index was modified to be useful for this new application



3. Deployment of model

Later, the model was deployed

```
C:\Windows\System32\cmd.exe - python app.py
Microsoft Windows [Versión 10.0.19042.1288]
(c) Microsoft Corporation. Todos los derechos reservados.

D:\Guillermo Leija\Data Glacier\Week 4\Assignment week4>python app.py
* Serving Flask app 'app' (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: on
* Restarting with stat
* Debugger is active!
* Debugger PIN: 250-483-692
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

