Data Intake Report

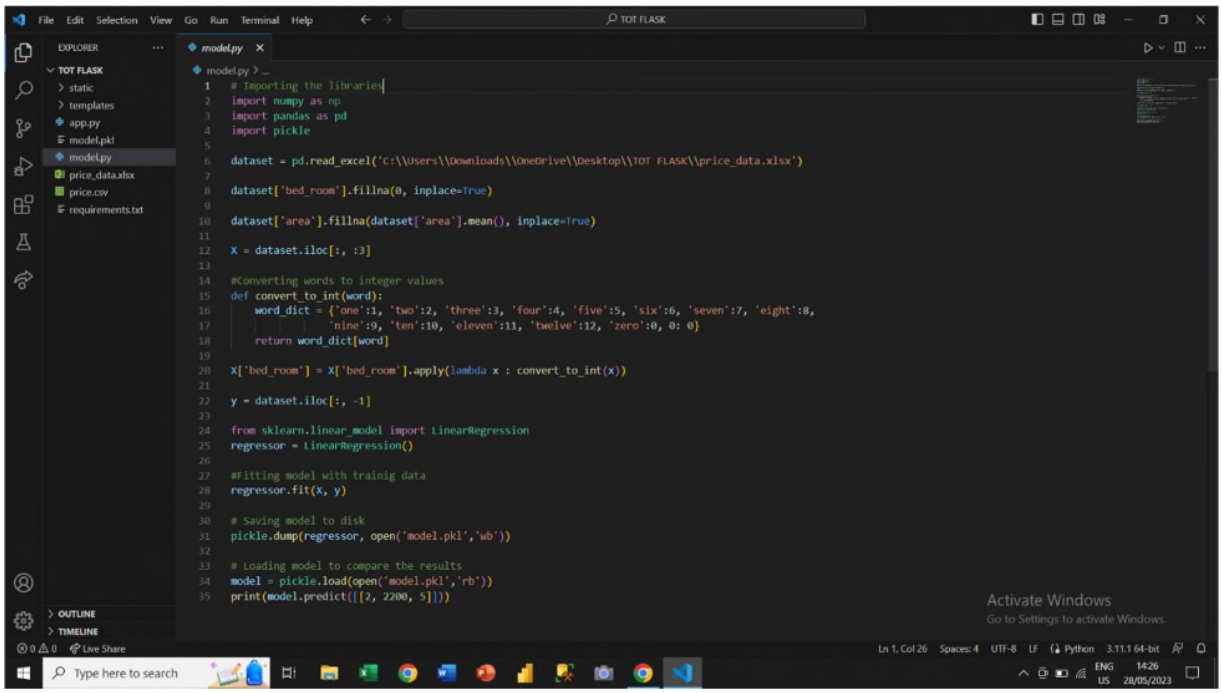
Name: Predict House Prices
Report date: 28/05/2023
Internship Batch: LISUM21
Version: 1.0
Data intake by: Bogdan-Remus Pintilie
Data intake reviewer:
Data storage location: https://github.com/BogdanRemusPintilie/LISUM21-WEEK4/blob/main/price_data.xlsx

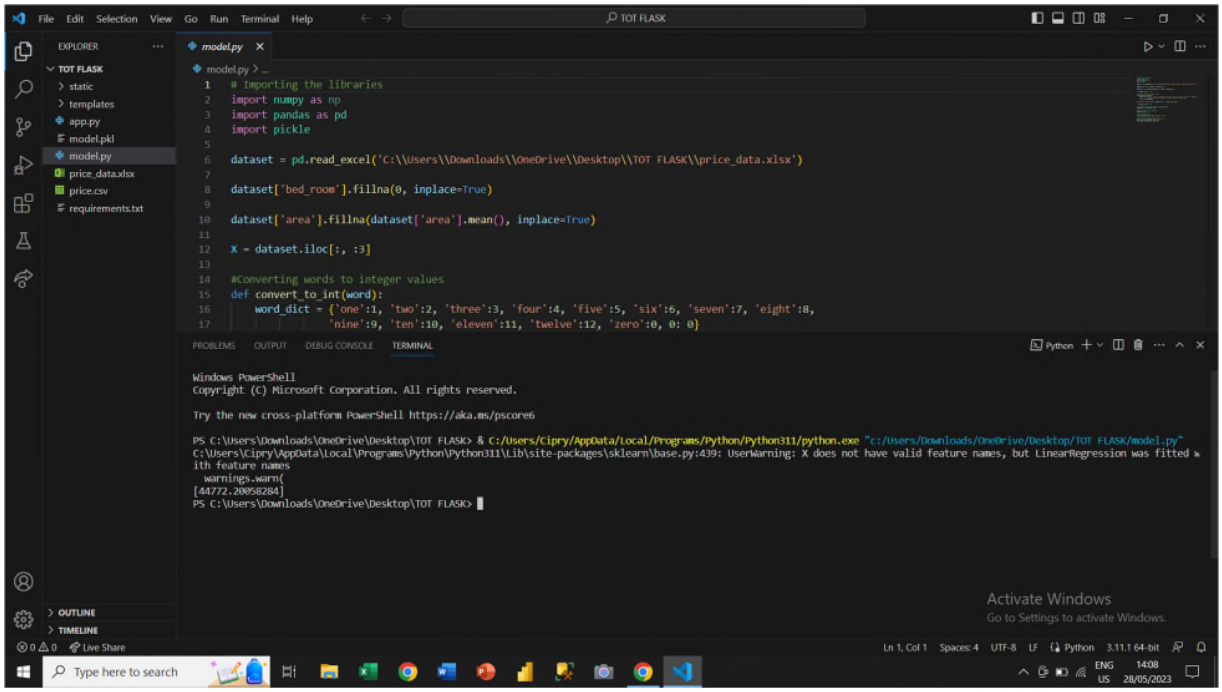
Tabular data details:

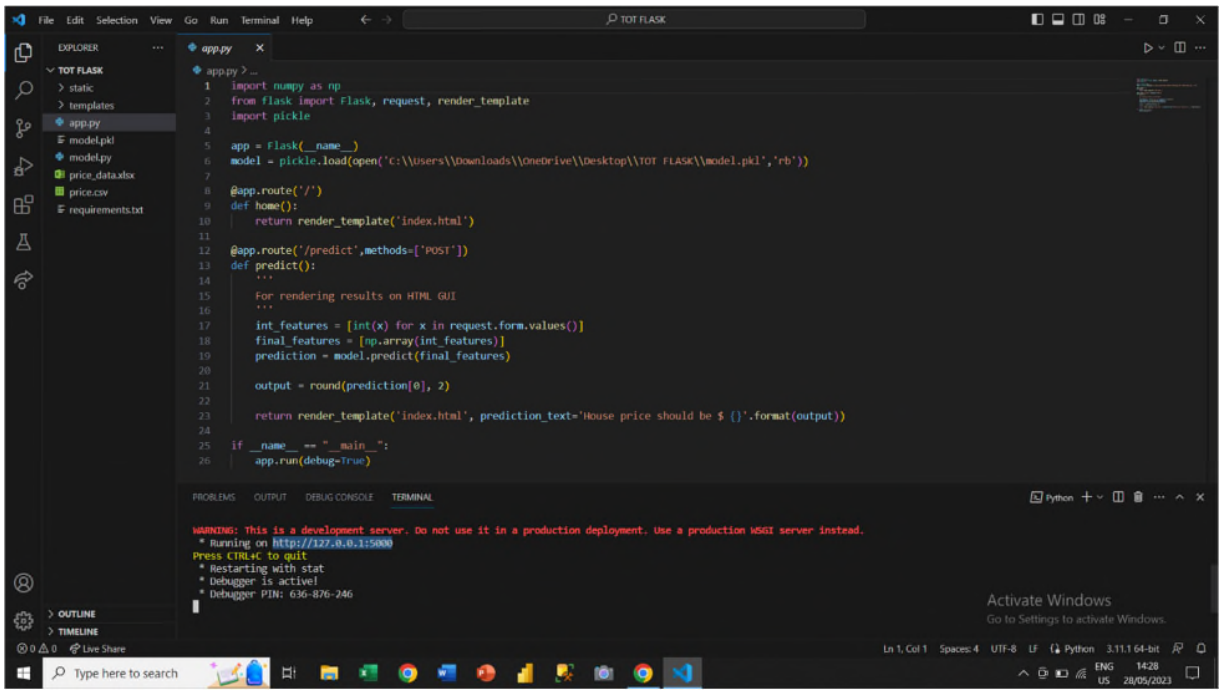
Total number of observations	8
Total number of files	1
Total number of features	4
Base format of the file	.xlsx
Size of the data	9.99 KB

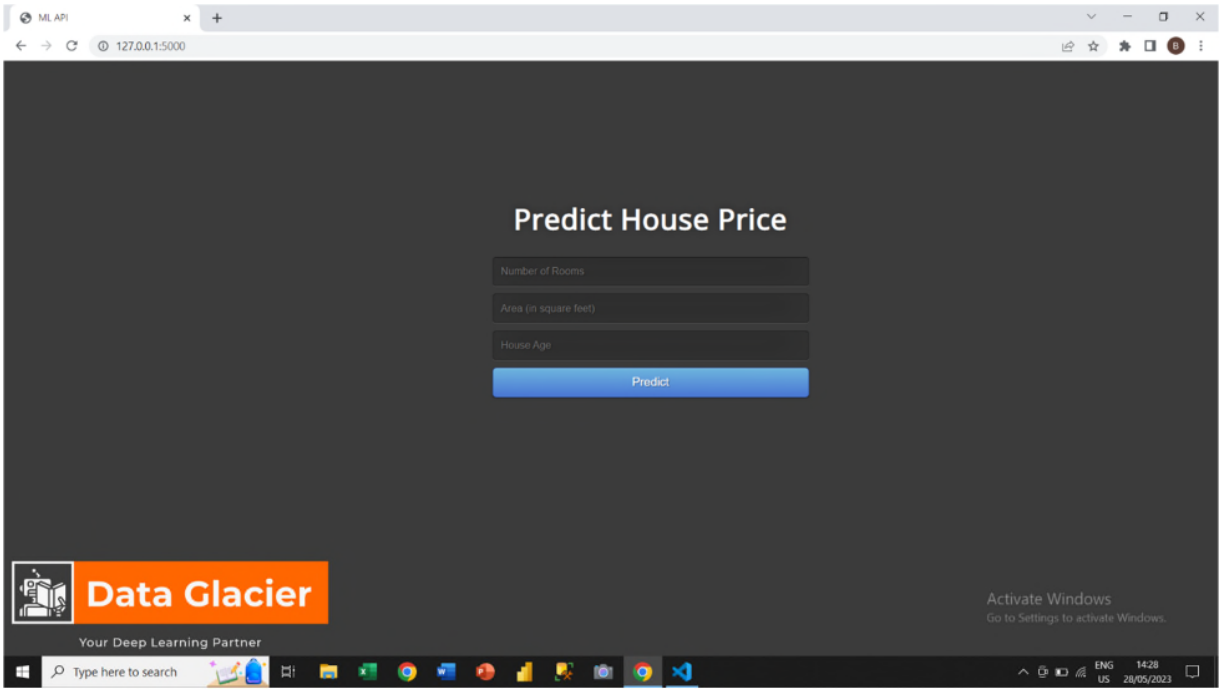
Proposed Approach:

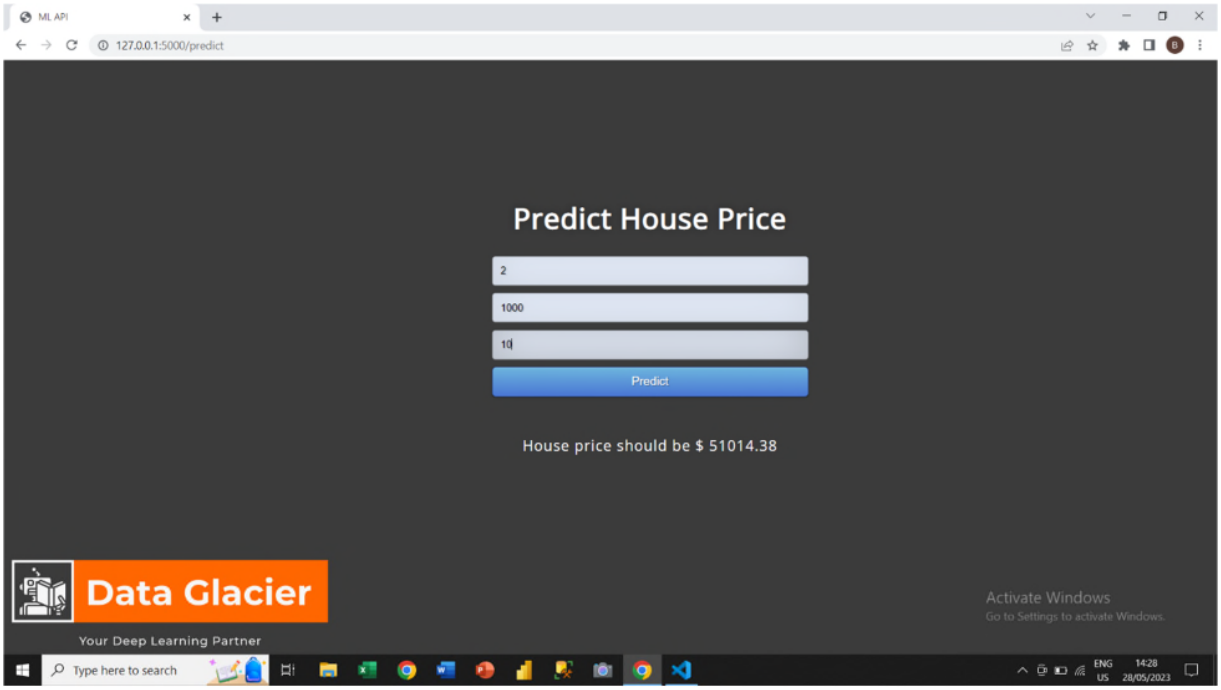
- I assume the data is valid, accurate and complete
- I changed the data type of ‘area’, ‘house_age’ and ‘price’ fields to number




File Edit Selection View Go Run Terminal Help
TOT FLASK
EXPLORER
model.py
TOT FLASK
static
templates
app.py
model.pkl
model.py
price_data.xlsx
price.csv
requirements.txt
# Importing the libraries
import numpy as np
import pandas as pd
import pickle
dataset = pd.read_excel('C:\\Users\\Downloads\\OneDrive\\Desktop\\TOT FLASK\\price_data.xlsx')
dataset['bed_room'].fillna(0, inplace=True)
dataset['area'].fillna(dataset['area'].mean(), inplace=True)
X = dataset.iloc[:, :3]
#Converting words to integer values
def convert_to_int(word):
word_dict = {'one':1, 'two':2, 'three':3, 'four':4, 'five':5, 'six':6, 'seven':7, 'eight':8,
'nine':9, 'ten':10, 'eleven':11, 'twelve':12, 'zero':0, 0: 0}
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Users\Downloads\OneDrive\Desktop\TOT FLASK> & C:/Users/Cipry/AppData/Local/Programs/Python/Python311/python.exe "c:/Users/Downloads/OneDrive/Desktop/TOT FLASK/model.py"
C:\Users\Cipry\AppData\Local\Programs\Python\Python311\Lib\site-packages\sklearn\base.py:439: UserWarning: X does not have valid feature names, but LinearRegression was fitted with feature names
warnings.warn(
[44772.20058284]
PS C:\Users\Downloads\OneDrive\Desktop\TOT FLASK>
OUTLINE
TIMELINE
Activate Windows
Go to Settings to activate Windows.
Ln 1, Col 1 Spaces: 4 UTF-8 LF Python 3.11.1 64-bit
Type here to search
ENG US 14:08 28/05/2023


File Edit Selection View Go Run Terminal Help
TOT FLASK
EXPLORER
app.py
TOT FLASK
static
templates
app.py
model.pkl
model.py
price_data.xlsx
price.csv
requirements.txt
import numpy as np
from flask import Flask, request, render_template
import pickle
app = Flask(__name__)
model = pickle.load(open('C:\\Users\\Downloads\\OneDrive\\Desktop\\TOT FLASK\\model.pkl','rb'))
@app.route('/')
def home():
return render_template('index.html')
@app.route('/predict',methods=['POST'])
def predict():
'''
For rendering results on HTML GUI
'''
int_features = [int(x) for x in request.form.values()]
final_features = [np.array(int_features)]
prediction = model.predict(final_features)
output = round(prediction[0], 2)
return render_template('index.html', prediction_text='House price should be $ {}'.format(output))
if __name__ == "__main__":
app.run(debug=True)
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 636-876-246
OUTLINE
TIMELINE
Activate Windows
Go to Settings to activate Windows.
Ln 1, Col 1 Spaces: 4 UTF-8 LF Python 3.11.1 64-bit
Type here to search
ENG US 14:28 28/05/2023


ML API
127.0.0.1:5000
Predict House Price
Number of Rooms
Area (in square feet)
House Age
Predict
Data Glacier
Your Deep Learning Partner
Activate Windows
Go to Settings to activate Windows.
Type here to search
ENG
US
14:28
28/05/2023


ML API
127.0.0.1:5000/predict
Predict House Price
2
1000
10
Predict
House price should be $ 51014.38
Data Glacier
Your Deep Learning Partner
Activate Windows
Go to Settings to activate Windows.
Type here to search
ENG
US
14:28
28/05/2023