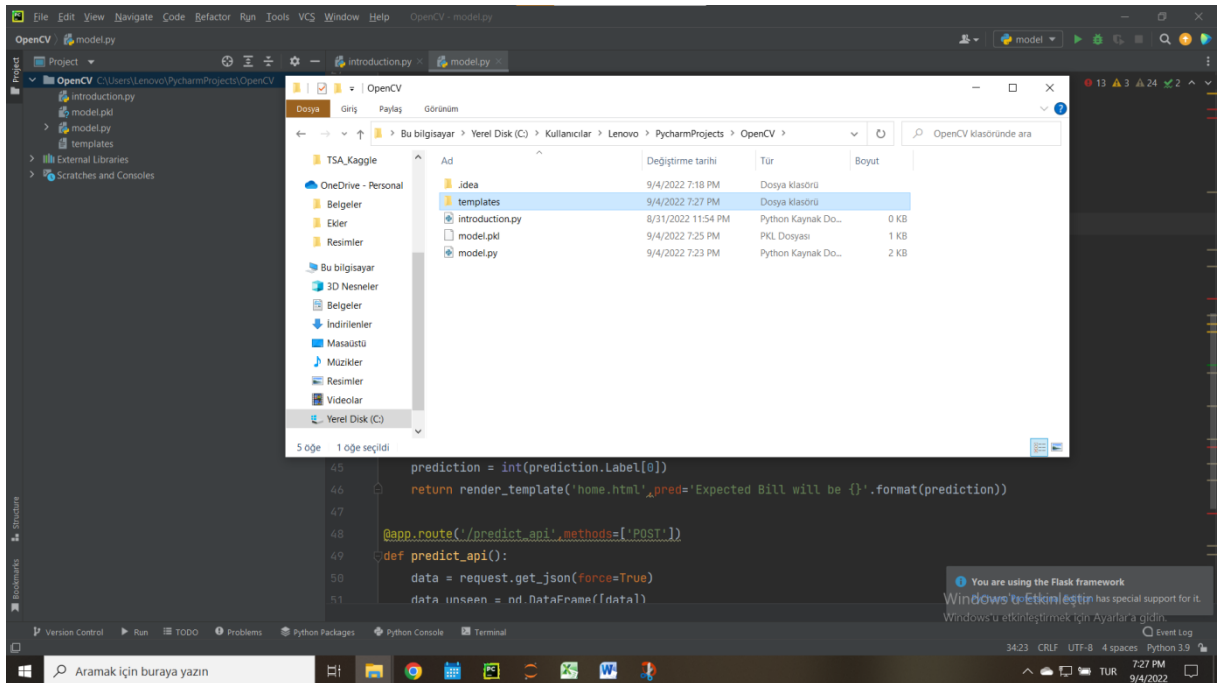


NURI TAS

- LISUM12

DATE: 9/4/2022

Submitted to: <https://github.com/Nuri-Tas/VC/tree/main/Heroku>



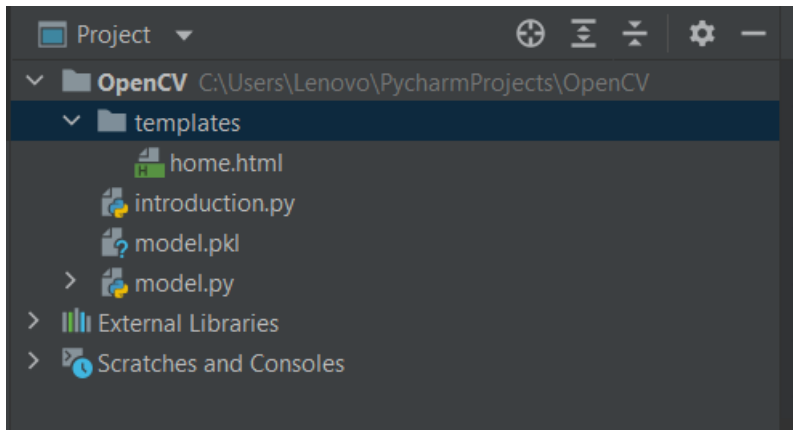
App connected to GitHub

Code diffs, manual and auto deploys are available for this app.

Connected to [Nuri-Tas/VC](#) by [Nuri-Tas](#)

[Disconnect...](#)

Releases in the [activity feed](#) link to GitHub to view commit diffs



```
introduction.py × model.py × home.html ×
1 import numpy as np
2 import pandas as pd
3 from sklearn.model_selection import train_test_split
4 from sklearn.linear_model import LinearRegression
5 import pickle
6
7 dataset = pd.read_csv('C:/Users/Lenovo/Desktop/TSA_Kaggle/tunnel.csv')
8 dataset['lag'] = dataset.NumVehicles.shift(1)
9
10 X = dataset.loc[1:, ['lag']].values
11 y = dataset.loc[1:, ['NumVehicles']].values
12 # Splitting the dataset into the Training set and Test set
13 X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=1/3, random_state=0)
14 # Fitting Simple Linear Regression to the Training set
15 regressor = LinearRegression()
16 regressor.fit(X_train, y_train)
17 # Predicting the Test set results
18 y_pred = regressor.predict(X_test)
19 # Saving model to disk
20 pickle.dump(regressor, open('model.pkl', 'wb'))
21 # Loading model to compare the results
22 model = pickle.load(open('model.pkl', 'rb'))
23
24
25 You are using the Flask framework
26 from flask import Flask, request, url_for, redirect, render_template, jsonify
27
28 import pandas as pd
29 import pickle
30 import numpy as np
31 # Initialise the Flask app
32 app = Flask(__name__)
33
34 cols = dataset.columns
35 @app.route('/')
36 def home():
37     return render_template("home.html")
38
39 @app.route('/predict', methods=['POST'])
40 def predict():
41     int_features = [x for x in request.form.values()]
42     final = np.array(int_features)
43     data_unseen = pd.DataFrame([final], columns=cols)
44     prediction = predict_model(model, data=data_unseen, round=0)
45     prediction = int(prediction.Label[0])
46     return render_template('home.html', pred='Expected Bill will be {}'.format(prediction))
47
```

```

@app.route('/predict_api', methods=['POST'])
def predict_api():
    data = request.get_json(force=True)
    data_unseen = pd.DataFrame([data])
    prediction = predict_model(model, data=data_unseen)
    output = prediction.Label[0]
    return jsonify(output)

if __name__ == '__main__':
    app.run(debug=True)

```

Nuri-Tas / VC Public  
forked from DataGlacier/VC

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main VC / Heroku /

Go to file Add file ...

This branch is 8 commits ahead of DataGlacier/main.

Contribute Sync fork

Nuri-Tas Add files via upload

2dad7a3 now History

..

Heroku	Create Heroku	20 seconds ago
model.py	Add files via upload	now

Salesforce Platform

HEROKU

Jump to Favorites, Apps, Pipelines, Spaces...

Create New App

App name

data-glacier-nuri-ta

Choose a region

United States

Add to pipeline...

Create app

### Manual deploy

Deploy the current state of a branch to this app.

### Deploy a GitHub branch

This will deploy the current state of the branch you specify below. [Learn more.](#)

#### Choose a branch to deploy

main

Deploy Branch

Receive code from GitHub

Build **main** 2dad7a34

```
-----> Determining which buildpack to use for this app
-----> Python app detected
-----> No Python version was specified. Using the buildpack default: python-3.10.6
    To use a different version, see: https://devcenter.heroku.com/articles/python-runtimes
-----> Installing python-3.10.6
-----> Installing pip 22.2.2, setuptools 63.4.3 and wheel 0.37.1
-----> Installing SQLite3
-----> Installing requirements with pip
```

☒ Autoscroll with output

[View build log](#)

Release phase

Deploy to Heroku

### Deploy a GitHub branch

This will deploy the current state of the branch you specify below. [Learn more.](#)

#### Choose a branch to deploy

main

Deploy Branch

Receive code from GitHub

Build **main** 2dad7a34

Release phase

Deploy to Heroku

Your app was successfully deployed.

[View](#)

127.0.0.1:5000/predict

Expected Bill will be 20900

## Predict Insurance Bill

19

female

27.90

0

yes

southwest

Predict