Data Intake Report

Name: Deployment on Flask
Report date: 24.03.2021
Internship Batch:LISP01
Version:1.0
Data intake by:Ines Perko
Data intake reviewer:<intern who reviewed the report>
Data storage location: github.com/inesp93/Deployment-on-Flask

Tabular data details: (salesdata.csv)

Total number of observations	14
Total number of files	1
Total number of features	4
Base format of the file	.csv
Size of the data	312 bytes

Proposed Approach:

The first step is to write the HTML code for the user interface (index.html). The user will be able to fill out three fields (rate of interest, first-quarter sales, and second-quarter sales). There is a button that gives the prediction of the sales in the third quarter when it is pressed. The second file is CSS, which is used for the design of the interface. The next file is the sales dataset that I made for this project. It has four columns (rate of interest, first-quarter sales, second-quarter sales, and third-quarter sales). Now, in the file model.py, a machine learning model to predict sales in the third month is introduced. The used model is linear regression. The empty values in the rate column are filled with zero and the empty values in the column sales in the first quarter are filled with the mean of the column. The next file is app.py that receives details through GUI and computes the predicted values. The last file is the API file that displays the returned values in the third quarter. It is called request.py. To run the web application, I used the command python app.py in cmd. Then, I opened http://127.0.0.1:5000/ in my web-browser. The GUI appeared and I wrote some values and pressed the button to test some values.

Sales forecasting

rate

First quarter sales

Second quarter sales

Predict third quarter sales

Sales forecasting

rate

First quarter sales

Second quarter sales

Predict third quarter sales

Sales should be $ 1276531.24