Name: Ian Beller Batch code: LISMU09

Submission date: June 10th 2022

Submitted to: github

Files

app copy.py	Today at 12:31 PM	687 bytes	Python Source
model copy.py	Jun 8, 2022 at 3:07 PM	599 bytes	Python Source
requirements.txt	Today at 12:33 PM	190 bytes	Plain Text
> static	Today at 12:27 PM		Folder
static-20220614T172722Z-001.zip	Today at 12:28 PM	10 KB	ZIP archive
store_lst.pkl	Today at 12:31 PM	480 bytes	Document
store_lst.pkl copy	Jun 8, 2022 at 3:07 PM	480 bytes	Document
Stores copy.csv	Apr 29, 2022 at 11:10 AM	23 KB	commad values
> templates copy	Today at 12:23 PM		Folder

Requirement text

```
1 Flask==1.1.1
2 gunicorn==19.9.0
3 itsdangerous==1.1.0
4 Jinja2==2.10.1
5 MarkupSafe==1.1.1
6 Werkzeug==0.15.5
7 numpy>=1.9.2
8 scipy>=0.15.1
9 scikit-learn>=0.18
10 matplotlib>=1.4.3
11 pandas>=0.19
```

HTML code

```
/Users/ianbeller/Desktop/Data_Glacier/Week 5/templates copy/index(2).html
    × model copy.py × app copy.py × index(2).html × requirements.txt
     k!DOCTYPE html>
<html >
  1
     <head>
<meta charset="UTF-8">
<title>ML API</title>

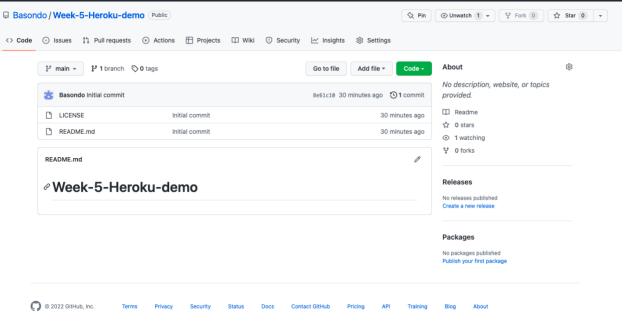
<pr
      </head>
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33
      <button type="submit" class="btn btn-primary btn-block btn-large">Predict</button>
          </form>
         <br>
        <br>
{{ prediction_text }}
       </div>
       <img src="/static/images/Original.svg" style="width: 400px;position: absolute;bottom: 10px;left: 10px;" alt="Company Logo"/>
      </body>
```

App code

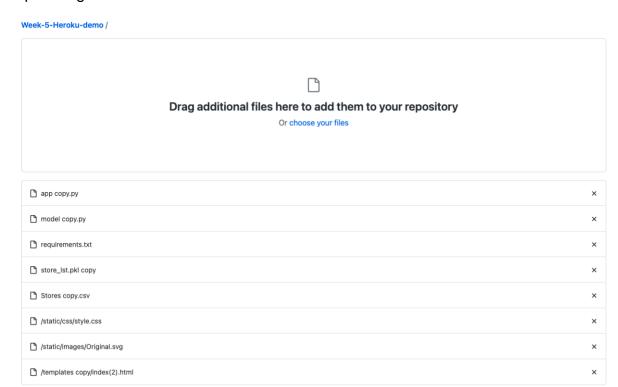
Model code

```
/Users/ianbeller/Desktop/Data_Glacier/Week 5/model copy.py
× requirements.txt
     × model copy.py
                      × app copy.py
                                     × index(2).html
  1
       import numpy as np
       import pandas as pd
  2
       import pickle
       st = pd.read_csv('Stores copy.csv')
       X = stores.iloc[:, 2:4]
       y = stores.iloc[:, -1]
 12
       from sklearn.linear_model import LinearRegression
 13
       regressor = LinearRegression()
       #Fitting model with trainig data
       regressor.fit(X, y)
       # Saving model to disk
       pickle.dump(regressor, open('store_lst.pkl', 'wb'))
       # Loading model to compare the results
       model = pickle.load(open('store_lst.pkl','rb'))
 22
       print((model.predict([[10, 1]])))
```

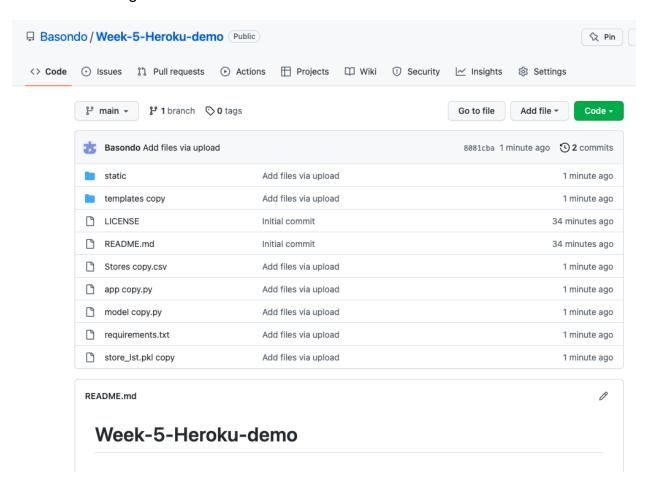
Repository



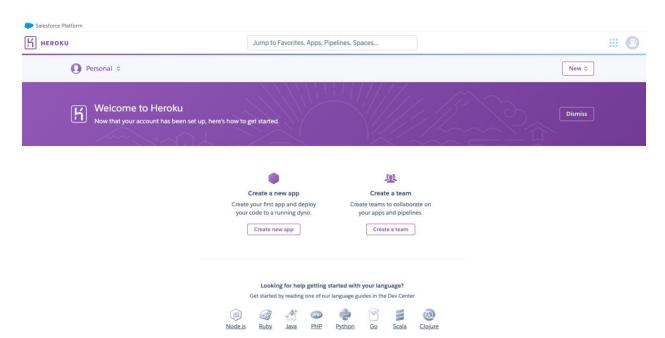
Uploading files



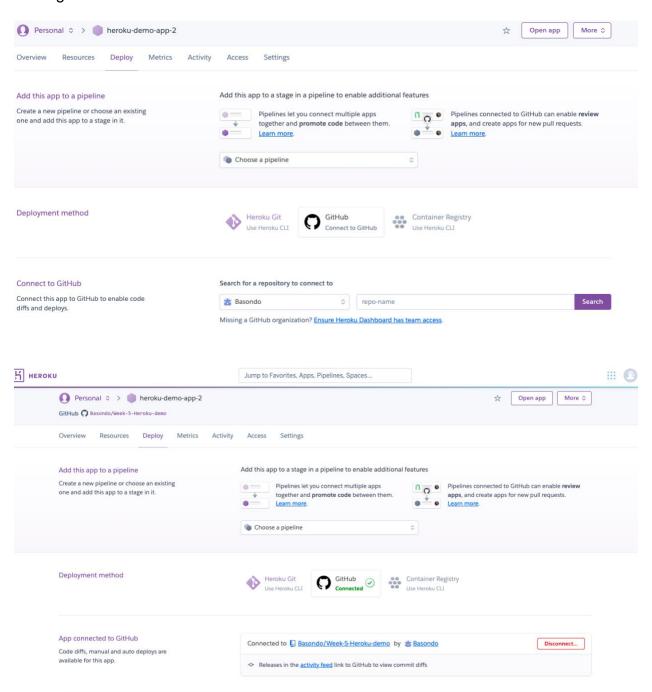
Committed changes



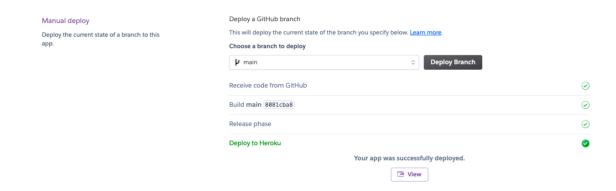
Heroku account



Linking Heroku to GitHub



Deploying ML app in Heroku



Web deployment

Predict Store Sales



House price should be \$48610.68