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Batch code: LISUM03

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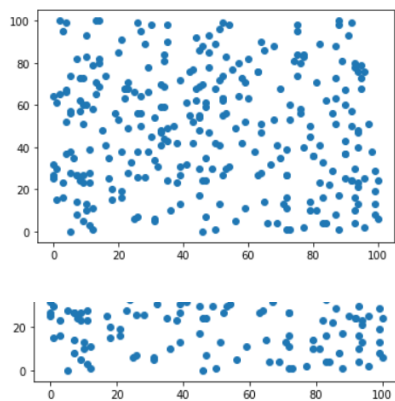
Submitted to: GitHub

```
In [1]: import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
from sklearn.linear_model import LinearRegression
```

```
In [3]: X=pd.read_excel('Linear_X.xlsx')
y=pd.read_excel('Linear_Y.xlsx')
```

```
In [4]: X=X.values
y=y.values
```

```
In [5]: plt.scatter(X,y)
plt.show()
```



```
In [6]: model=LinearRegression()
```

```
In [9]: model.fit(X,y)
```

```
Out[9]: LinearRegression(copy_X=True, fit_intercept=True, n_jobs=None, normalize=False)
```

```
In [11]: X_test = np.array(2)
X_test = X_test.reshape((1,-1))
```

```
In [12]: model.predict(X_test)
```

```
Out[12]: array([[51.29833068]])
```

```
In [ ]:
```

```
assignment4.py x regression.py index.html
assignment4.py > ...
1 from flask import Flask,request,render_template
2 import regression as reg
3
4 app = Flask(__name__)
5
6
7 @app.route("/",methods=["POST"])
8
9 def regression():
10     if request.method == "post":
11         regre=reg.regression_test()
12         r=regre
13
14         return render_template("index.html",regression_result=r)
15     else:
16         return render_template("index.html")
17
18
19 if __name__ == "__main__":
20     app.run(debug=True)
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

```
'--' 'c:\Users\berke\Desktop\data_glacier_assignmet4\assignment4.py'
[[51.29833068]]
* Serving Flask app 'assignment4' (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
[[51.29833068]]
* Debugger is active!
* Debugger PIN: 297-919-168
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
PS C:\Users\berke\Desktop\data_glacier_assignmet4> []
```

Ln 18, Col 1 Spaces: 4 UTF-8 CRLF Python

```
regression.py > ...
1 import pandas as pd
2 import numpy as np
3 import matplotlib.pyplot as plt
4 from sklearn.linear_model import LinearRegression
5
6 def regression_test():
7     X=pd.read_excel('Linear_X.xlsx')
8     y=pd.read_excel('Linear_Y.xlsx')
9
10     X=X.values
11     y=y.values
12
13     model=LinearRegression()
14
15     model.fit(X,y)
16
17     X_test = np.array(2)
18     X_test = X_test.reshape((1,-1))
19
20     return model.predict(X_test)
21 print(regression_test())
22
23
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

```
'--' 'c:\Users\berke\Desktop\data_glacier_assignmet4\assignment4.py'
[[51.29833068]]
* Serving Flask app 'assignment4' (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
[[51.29833068]]
* Debugger is active!
* Debugger PIN: 297-919-168
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
PS C:\Users\berke\Desktop\data_glacier_assignmet4> []
```

Ln 21, Col 23 Spaces: 4 UTF-8 CRLF Python

```
templates > index.html > html > body
1 <!DOCTYPE html>
2 <html lang='en'>
3   <head>
4     <title>Regression model</title>
5   </head>
6   <body>
7     <p>Enter your name</p>
8     <form METHOD="post" , action="{{url_for('regression')}}">
9       <input type="text" name="username" placeholder="user name">
10      <input type="submit">
11    </form>
12    {% if regression_result==51.29833068|%}
13      <p>regression result is</p> {{regression_result}}
14    {% endif %}
15  </body>
16 </html>
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

```
'--' 'c:\Users\berke\Desktop\data_glaicier_assignmet4\assignment4.py'
[[51.29833068]]
* Serving Flask app 'assignment4' (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
[[51.29833068]]
* Debugger is active!
* Debugger PIN: 297-919-168
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
PS C:\Users\berke\Desktop\data_glaicier_assignmet4> []
```

Ln 13, Col 45 Spaces: 4 UTF-8 CRLF HTML

23:15 13.09.2021

Method Not Allowed

The method is not allowed for the requested URL.



I can not solve Method not allowed problem.