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1 # app.py
2 from flask import Flask, render_template
3 import seaborn as sns
4 import matplotlib.pyplot as plt
5 import pandas as pd
6
7 app = Flask('__main__') # Changed from 'app' to '
  __main__'
8
9 @app.route('/')
10 def home():
11     data = pd.read_csv("D:/MACHINE LEARNING/Indus
  Internship/web_plot2/Maintenance_Info2.csv")
12
13     # Generate plots
14     plots = ['histplot', 'barplot', 'scatterplot', '
  boxplot']
15     for plot in plots:
16         if plot == 'histplot':
17             sns.displot(data=data, x="Air temperature
  [K]", kde=True, bins = 100,color = "red", facecolor
  = "yellow",height = 5, aspect = 1.5);
18         elif plot == 'barplot':
19             sns.displot(data=data, x="Process
  temperature [K]", kde=True, bins = 100,color = "red"
  , facecolor = "lime",height = 5, aspect = 1.5);
20         elif plot == 'scatterplot':
21             sns.scatterplot(data=data, x="Torque [Nm
  ]", y="Rotational speed [rpm]", hue="Type",palette="
  bright");
22         elif plot == 'boxplot':
23             fig, ax = plt.subplots(2, 1, figsize=(10,
  5))
24             sns.boxplot(data = data["Torque [Nm]"],
  ax = ax[1],color='grey')
25             plt.savefig(f'static/{plot}.png')
26             plt.clf()
27
28     return render_template('index.html')
29
30 if __name__ == '__main__':

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31 app.run(debug=True)
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