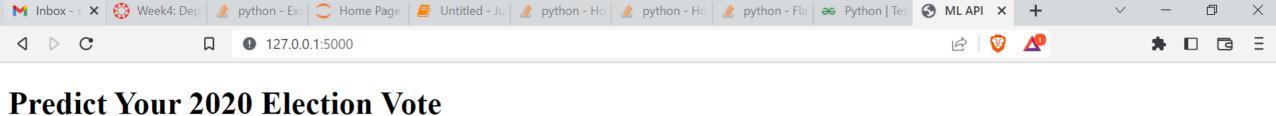
```
election_model.py - C:\Users\filto\Desktop\data_glacier\Flask2\election_model.py (3.10.0)
File Edit Format Run Options Window Help
import numpy as np
import pandas as pd
import pickle
from sklearn.model selection import train test split
from sklearn.linear model import LogisticRegression
from sklearn.metrics import classification report
election data = pd.read csv('2020 Election Demographics.csv')
sex = pd.get dummies(election data['Sex'], drop first=True)
marital status = pd.get dummies(election data['Marital Status'],drop first=
race = pd.get dummies(election data['Race'], drop first=True)
age = pd.get dummies(election data['Age'], drop first=True)
education = pd.get dummies(election data['Education'], drop first=True)
income = pd.qet dummies(election data['Income'], drop first=True)
election data2 = pd.concat([sex, race, age, education, income, marital stat
logmodel = LogisticRegression()
logmodel.fit(election data2.drop('Candidate', axis=1), election data2['Candidate']
# Saving model to disk
pickle.dump(logmodel, open('logmodel.pkl','wb'))
# Loading model to compare the results
logmodel2 = pickle.load(open('logmodel.pkl','rb'))
print(logmodel2.predict([[1, 0, 0, 1, 0, 0, 1, 1, 0, 1, 0, 0, 1, 0]]))
```

```
election app.py - C:\Users\filto\Desktop\data glacier\Flask2\election app.py (3.10.0)
                                                                                    \times
File Edit Format Run Options Window Help
import numpy as np
from flask import Flask, request, render template
import pickle
from transitioner import Transitioner
election app = Flask( name )
logmodel = pickle.load(open('logmodel.pkl', 'rb'))
@election app.route('/')
def home():
    return render template('index2.html')
@election app.route('/predict', methods=['POST'])
def predict():
    For rendering results on HTML GUI
    features = [x for x in request.form.values()]
    #final features = [np.array(features)]
    prediction = logmodel.predict([Transitioner(features)])
    output = prediction[0]
    return render template('index2.html', prediction text='Your choice for presi
if name == " main ":
    election_app.run(debug=True)
```

```
File Edit Shell Debug Options Window Help
   Python 3.11.0 | packaged by conda-forge | (main, Oct 25 2022, 06:12:32) [MSC v.1]
   929 64 bit (AMD64) 1 on win32
   Type "help", "copyright", "credits" or "license()" for more information.
   ===== RESTART: C:\Users\filto\Desktop\data glacier\Flask2\election app.py =====
    * Serving Flask app 'election app'
    * Debug mode: on
   WARNING: This is a development server. Do not use it in a production deployment.
    Use a production WSGI server instead.
    * Running on http://127.0.0.1:5000
   Press CTRL+C to quit
    * Restarting with stat
```

IDLE Shell 3.11.0







Predict Your 2020 Election Vote



Your choice for president should be Trump

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