

Name: Alyssa Hubiak

Batch Code: LISUM 13:30

Submission Date: 10/05/22

App URL: <https://toy-data-api.herokuapp.com/>

HomeWorkspacesAPI NetworkExplore

Search Postman

Invite

Upgrade

My Workspace

NewImport

Overview

GET localhost:5000/predict

No Environment

localhost:5000/predict?city=new york city&age=45&income=45000&gender=male

Save

GETlocalhost:5000/predict?city=new york city&age=45&income=45000&gender=male

Send

Cookies

ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettings

Query Params

KEY	VALUE	DESCRIPTION		Bulk Edit
<input checked="" type="checkbox"/> city	new york city			
<input checked="" type="checkbox"/> age	45			
<input checked="" type="checkbox"/> income	45000			
<input checked="" type="checkbox"/> gender	male			
Key	Value	Description		

BodyCookiesHeaders (5)Test Results

200 OK36 ms1.86 KB

Save Response

PrettyRawPreviewVisualize

Predict Illness Status

New York CityAgeIncomeMalePredict

OnlineFind and ReplaceConsole

CookiesCapture requestsContinue learningRunnerTrash

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My Workspace

NewImport

Overview

GET localhost:5000/api/pre

No Environment

localhost:5000/api/predict?city=new york &age=45&income=45000&gender=male

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ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettings

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<input checked="" type="checkbox"/> income	45000			
<input checked="" type="checkbox"/> gender	male			
Key	Value	Description		

BodyCookiesHeaders (5)Test Results

400 BAD REQUEST10 ms212 B

Save Response

PrettyRawPreviewVisualize

{ "Illness status": "unavailable" }

OnlineFind and ReplaceConsole

CookiesCapture requestsContinue learningRunnerTrash

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NewImport

OverviewGET localhost:5000/api/pre

No Environment

Collections

APIs

Environments

Mock Servers

Monitors

My first collection

First folder inside collection

Second folder inside collection

Create a collection for your requests

A collection lets you group related requests and easily set common authorization, tests, scripts, and variables for all requests in it.

Create collection

Start working with APIs

67% complete - Nice work!

Create account

Send a request

Save a request

So you can reuse them in the future and do more on Postman.

Show me

localhost:5000/api/predict?city=new york city&age=45&income=45000&gender=male

Save

Send

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ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettings

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Key	Value	Description		

BodyCookiesHeaders (5)Test Results

200 OK18 ms199 BSave Response

PrettyRawPreviewVisualize

{ "Illness status": "healthy" }

OnlineFind and ReplaceConsole

CookiesCapture requestsContinue learning

RunnerTrash

```

1  import numpy as np
2  from flask import Flask, request, render_template, jsonify
3  import pickle
4  import pandas as pd
5  import os
6
7  app = Flask(__name__)
8  model = pickle.load(open('model.pkl', 'rb'))
9
10 city_dict = {
11     'new york city': 1,
12     'los angeles': 2,
13     'dallas': 3,
14     'mountain view': 4,
15     'austin': 5,
16     'boston': 6,
17     'washington d.c.': 7,
18     'san diego': 8
19 }
20 gender_dict = {
21     'male': 0,
22     'female': 1
23 }
24
25 @app.route('/')
26 def home():
27     return render_template('index.html')
28
29 @app.route('/predict', methods=['POST'])
30 def predict():
31     '''
32     For rendering results on HTML GUI
33     '''
34     int_features = [int(x) for x in request.form.values()]
35     final_features = [np.array(int_features)]
36     prediction = model.predict(final_features)
37     output = 'unavailable'

```

```

34     int_features = [int(x) for x in request.form.values()]
35     final_features = [np.array(int_features)]
36     prediction = model.predict(final_features)
37     output = 'unavailable'
38     if prediction == 0:
39         output = 'healthy'
40     elif prediction == 1:
41         output = 'sick'
42
43     return render_template('index.html', prediction_text='Illness status is {}'.format(output))
44
45 @app.route('/api/predict')
46 def ill_predict():
47     output1='unavailable'
48     city_get = request.args.get('city').lower()
49     age = request.args.get('age')
50     income = request.args.get('income')
51     gender_get = request.args.get('gender').lower()
52     if city_get in city_dict.keys():
53         city = city_dict.get(city_get)
54     else:
55         return jsonify({'Illness status': output1}), 400
56     if gender_get in gender_dict.keys():
57         gender = gender_dict.get(gender_get)
58     else:
59         return jsonify({'Illness status': output1}), 400
60     test_df = pd.DataFrame({'City':[city], 'Age':[age], 'Income':[income], 'Gender':[gender]})
61     predicted = model.predict(test_df)
62     if predicted == 0:
63         output1 = 'healthy'
64     elif predicted == 1:
65         output1 = 'sick'
66     return jsonify({'Illness status': output1})
67 # if __name__ == "__main__":
68 #     app.run(debug=True)
69
70

```

```

44
45 @app.route('/api/predict')
46 def ill_predict():
47     output1='unavailable'
48     city_get = request.args.get('city').lower()
49     age = request.args.get('age')
50     income = request.args.get('income')
51     gender_get = request.args.get('gender').lower()
52     if city_get in city_dict.keys():
53         city = city_dict.get(city_get)
54     else:
55         return jsonify({'Illness status': output1}), 400
56     if gender_get in gender_dict.keys():
57         gender = gender_dict.get(gender_get)
58     else:
59         return jsonify({'Illness status': output1}), 400
60     test_df = pd.DataFrame({'City':[city], 'Age':[age], 'Income':[income], 'Gender':[gender]})
61     predicted = model.predict(test_df)
62     if predicted == 0:
63         output1 = 'healthy'
64     elif predicted == 1:
65         output1 = 'sick'
66     return jsonify({'Illness status': output1})
67 # if __name__ == "__main__":
68 #     app.run(debug=True)
69
70
71 port = int(os.environ.get("PORT", 5000))
72 if __name__ == "__main__":
73     app.run(host='0.0.0.0', port=port, debug=True)
74

```

App connected to GitHub

Code diffs, manual and auto deploys are available for this app.

Connected to [ahubiak/Week-5](#) by [ahubiak](#)

Disconnect...

Releases in the [activity feed](#) link to GitHub to view commit diffs

Activity Feed



alyssa.hubiak@gmail.com: Deployed `b1fc9c40`
Today at 10:09 PM · v3



alyssa.hubiak@gmail.com: Build succeeded
Today at 10:08 PM · [View build log](#)



alyssa.hubiak@gmail.com: Enable Logplex
Today at 10:07 PM · v2 · [Roll back to here](#)



alyssa.hubiak@gmail.com: Initial release
Today at 10:07 PM · v1 · [Roll back to here](#)

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No Environment

https://toy-data-api.herokuapp.com/api/predict?city=new york city&age=45&income=45000&gender=...

Save

</>

GET

https://toy-data-api.herokuapp.com/api/predict?city=new york city&age=45&income=45000&gender=m ...

Send

Params

Authorization

Headers (6)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

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Key	Value	Description	

Body

Cookies

Headers (6)

Test Results

200 OK

533 ms

202 B

Save Response

Pretty

Raw

Preview

Visualize

{"Illness status": "healthy"}

Online

Find and Replace

Console

Cookies

Capture requests

Continue learning

Runner

Trash

Predict Illness Status

New York City

Age

Income

Male

Predict

Data Glacier

Your Deep Learning Partner

