

TEAM ID :PNT2022TMID49425

TRAINING THEMODELONIBM

IBMclouddeployment:

rating - Google Sheets | Loan approval status | IBM | Desktop/Sprint 4/IBM/ | Cloud_model - Jupyter Notebook | Python 3 (ipykernel)

localhost:8888/notebooks/Desktop/Sprint9204/IBM/Cloud_model.ipynb

jupyter Cloud_model (unsaved changes)

File Edit View Insert Cell Kernel Widgets Help

Not Trusted | Python 3 (ipykernel)

Logout

Run

Out[47]: 'b12949eb-ce6e-4eef-9705-432d95bde5b0'

In [48]:

```
# Set meta
deployment_props = {
    wal_client.deployments.ConfigurationMetadata.NAME: DEPLOYMENT_NAME,
    wal_client.deployments.ConfigurationMetadata.ONLINE: {}
}
```

In [49]:

```
# Deploy
deployment = wal_client.deployments.create(
    artifact_uid=model_id,
    meta_props=deployment_props
)
```

#####

Synchronous deployment creation for uid: 'b12949eb-ce6e-4eef-9705-432d95bde5b0' started

#####

initializing
Note: online_url is deprecated and will be removed in a future release. Use serving_url instead.
ready

successfully finished deployment creation, deployment_uid='adda300c-fab4-4770-b978-b1fb81b0b561'

Testing:

Cloud_model - Jupyter Notebook x Identity & Access Management x IBM Watson Studio x IBM Watson Studio x

dataplatform.dcloud.ibm.com/runtime/deployments/44da3004-b4b4-4770-b978-b16b81b0551?test?space_id=fc1e7624-773f-4e76-b9d0-d5a9a4a5a190&content=qpdaas&auth=true

IBM Watson Studio Search in your workspaces Buy ? ? AISHVARYA G's Account Dallas AG

Deployments / Approval / Loan

Approval Deployed Online

API reference **Test**

Enter input data

Text Input JSON input

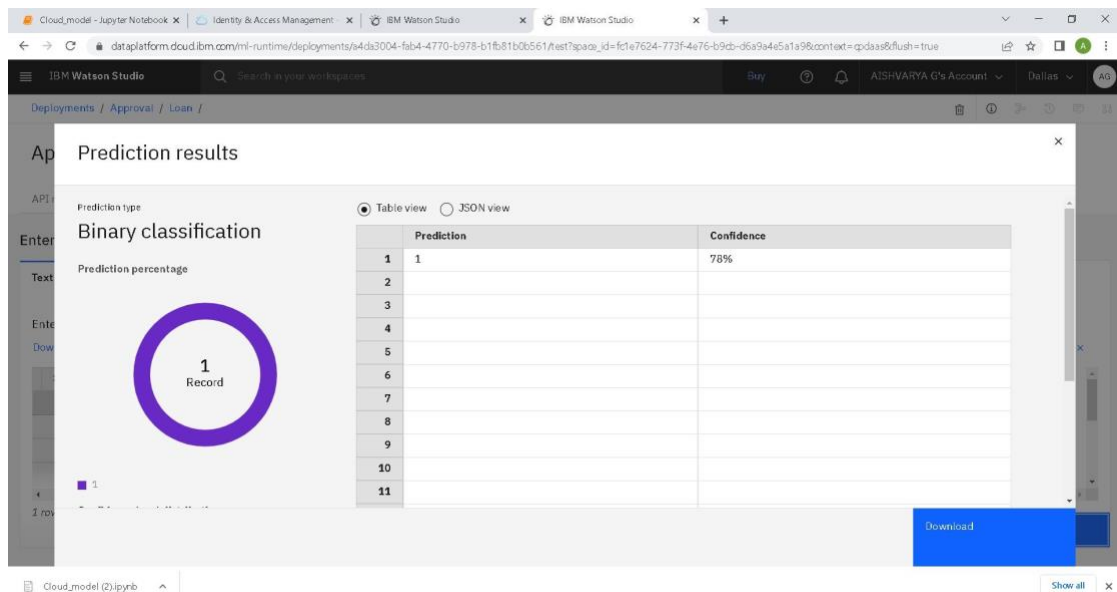
Enter data manually or use a CSV file to populate the spreadsheet. Max file size is 50 MB.

Download CSV template Browse local files Search in space Clear all

	Gender (int64)	Married (int64)	Dependents (int64)	Education (int64)	Self_Employed (int64)	ApplicantIncome (int64)	CoapplicantIncome (float64)	LoanAmount (float64)
1	0	1	1	0	1	4567	1246	120
2								
3								
4								

1 row, 11 columns

Predict



Integrating Flask with Scoring Endpoint:

The screenshot shows the Visual Studio Code editor with a Flask application code file named 'app.py'. The code is a Flask application that uses the 'requests' library to interact with the IBM Cloud API. It includes a 'token_response' variable and a 'token_response.json()' method to retrieve the 'access_token'. The application uses the 'render_template' function to render HTML templates. The code is as follows:

```
1 from flask import render_template, flask, request
2 import numpy as np
3 import pickle
4 import requests
5
6 # NOTE: you must manually set API_KEY below using information retrieved from your IBM Cloud account.
7 API_KEY = "pysrmaRyzz3LufvXm02hld7d5oiqu4i1sv08bkRy"
8 token_response = requests.post("https://iam.cloud.ibm.com/identity/token", data={"apikey": API_KEY, "grant_type": "urn:ibm:params:oauth:grant-type:apikey"}, headers={"Content-Type": "application/json", "Authorization": "Bearer " + mltoken})
9 mltoken = token_response.json()["access_token"]
10
11 header = {'Content-Type': 'application/json', 'Authorization': 'Bearer ' + mltoken}
12 app = Flask(__name__, template_folder='templates')
13
14 @app.route('/')
15 def home():
16     return render_template('home.html')
17
18 @app.route('/login.html')
19 def login():
20     return render_template('login.html')
21
22 @app.route('/procedure.html')
23 def procedure():
24     return render_template('procedure.html')
25
26 @app.route('/bank_login.html')
27 def bank_login():
28     return render_template('bank_login.html')
```

Output:

LOAN APPROVAL STATUS

Sorry You are not eligible for loan



Please provide your feedback

