


PNT2022TMID21280_Efficient Water Quality Analysis & Prediction using Machine Learning.

Application:

Efficient Water Quality Analysis Platform

 Enter the details:

StationID

Location

State

Temperature

Dissolved Oxygen(mg/l)

PH Value

Conductivity

B.O.D.(mg/l)

Nitratenan N + Nitritenann(mg/l)

Total Coliform(MPN/100ml)Mean

Year

Submit

Efficient Water Quality Analysis Platform

✎ Enter the details:

1339

Tamilnadu

Tamil

30.6

6.3

6.9

203.0

6.940049

0.1

27.0

2014

Submit

Results:

Fair, The predicted value is [69.8402]

IBM Deployment:

IBM Watson Studio

Search in your workspaces

Buy

Sabareeswaran Chandrase...

Dallas

SC

Deployments / Models / WQA_Modeling /

WQA

Deployed

Online

API reference

Test

Direct link

Endpoint

https://us-south.ml.cloud.ibm.com/ml/v4/deployments/4f6df3d2-3a7c-4bf3-9ca2-cc5526fd9ea2/predictions?version=20

Bearer <token>

IAM

API reference

Test

cURL

Java

JavaScript

Python

Scala

```
import requests

# NOTE: you must manually set API_KEY below using information retrieved from your IBM Cloud account.
API_KEY = "<your API key>"
token_response = requests.post('https://iam.cloud.ibm.com/identity/token', data={"apikey":
API_KEY, "grant_type": 'urn:ibm:params:oauth:grant-type:apikey'})
mltoken = token_response.json()["access_token"]

header = {'Content-Type': 'application/json', 'Authorization': 'Bearer ' + mltoken}

# NOTE: manually define and pass the array(s) of values to be scored in the next line
payload_scoring = {"input_data": [{"fields": [array_of_input_fields], "values": [array_of_values_to_be_scored, another_array_of_values_to_b

response_scoring = requests.post('https://us-south.ml.cloud.ibm.com/ml/v4/deployments/4f6df3d2-3a7c-4bf3-9ca2-cc5526fd9ea2/predictions?vers
headers={'Authorization': 'Bearer ' + mltoken})
```