

Train the Model on IBM

Date	15 november 2022
Team ID	PNT2022TMID53471
Project Name	Car Resale Value Prediction

1. Register for IBM Cloud

IBM Watson Studio

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Edit IBMid profile

Profile Git integrations

Service Filters

Set which services you see by selecting filter options.

Filter by: Resource Groups 2 x Locations None

Leave IBM Watson Studio

If you leave IBM Watson Studio, your IBM Cloud account will continue to be active.

Learn more about the results of leaving.

Leave IBM Watson Studio

Selected Account

This is the IBM Cloud account that you're working in. If you belong to multiple accounts, you can switch accounts in the accounts list next to your avatar.

Account name Hyagiriva Aravindan's Account

Account type Trial - 47 days left

Account ID 5056e071108042ea95eaadeb0a26ae40

2. Train the ML Model on IBM

IBM Watson Studio

Deployments / models / resalevalue /

newdeployment Deployed Online

API reference Test

Direct link

Endpoint `https://us-south.ml.cloud.ibm.com/ml/v4/deployments/e1c6104a-110e-4ff6-a757-a5c7d3e75509/predictions?version=...` Bearer <token>

Code snippets

cURL Java JavaScript Python Scala

NOTE: you must set \$API_KEY below using information retrieved from your IBM Cloud account.

```
curl --insecure -X POST --header "Content-Type: application/x-www-form-urlencoded" --header "Accept: application/json" --data-urlencode "grant_type=urn:ibm:params:oauth:grant-type:apikey" --data-urlencode "apikey=$API_KEY" "https://iam.cloud.ibm.com/identity/token"
```

the above CURL request will return an auth token that you will use as \$IAM_TOKEN in the scoring request below

TODO: manually define and pass values to be scored below

```
curl -X POST --header "Content-Type: application/json" --header "Accept: application/json" --header "Authorization: Bearer $IAM_TOKEN" -d '{"input_data": [{"fields": [{"field": "resalevalue"}], "values": [{"resalevalue": 10000}]}]' "https://us-south.ml.cloud.ibm.com/ml/v4/deployments/e1c6104a-110e-4ff6-a757-a5c7d3e75509/predictions?version=..."
```

newdeployment

Created Nov 15, 2022, 8:18 PM

Updated Nov 15, 2022, 8:18 PM

Deployment ID e1c6104a-110e-4ff6-a757-a5c...

Software specification runtime-22.1-py3.9

Copies 1

Serving name No serving name.

Description No description provided.

Tags Add tags to make assets easier to find.

Associated asset resalevalue

3. Integrate Flask with Scoring endpoints

Predict Resale Value of Your Car

Registration year:

Registration Month:

Power of car in PS:

Kilometers that car have driven:

Gear type: ☒ Manual ☐ Automatic ☐ Not declared

Your car is repaired or damaged: ☒ Yes ☐ No ☐ Not declared

Model Type:

Brand :

Fuel Type :

Vehicle type:

The Predicted Car Resale Value is
[2922.05786493]

