

SPRINT-4

TRAIN THE MODEL ON IBM

Team ID	PNT2022TMID32654
Project Name	Car resale value prediction

```
1 import requests
2
3 # NOTE: you must manually set API_KEY below using information retrieved from your IBM Cloud account.
4 API_KEY = "Vgcj9ebtmxtr2H8MFRwK11RhYPSi0cMG9zAB2tFXZB0H"
5
6 token_response = requests.post("https://iam.cloud.ibm.com/identity/token", data={"apikey":
7 API_KEY, "grant_type": "urn:ibm:params:oauth:grant-type:apikey"})
8 mltoken = token_response.json()["access_token"]
9
10 header = {'Content-Type': 'application/json', 'Authorization': 'Bearer ' + mltoken}
11
12 # NOTE: manually define and pass the array(s) of values to be scored in the next line
13 payload_scoring = {"input_data": [{"field": ['vehicleType', 'yearOfRegistration', 'gearbox', 'powerPS',
14 'model', 'kilometer', 'monthOfRegistration', 'fuelType', 'brand',
15 'notRepairedDamage'], "values": [{"coupe", 2022, "manual", 109, "grand", 125000, 2, "pe
16
17 response_scoring = requests.post("https://us-south.ml.cloud.ibm.com/ml/v4/deployments/66c5b24d-Sala-4066-a2e1-7c
18 headers={'Authorization': 'Bearer ' + mltoken})
19 print("Scoring response")
20 print(response_scoring.json())
21
22 # payload_scoring = {"input_data": [{"field": ['vehicleType', 'yearOfRegistration', 'gearbox', 'powerPS',
23 'model', 'kilometer', 'monthOfRegistration', 'fuelType', 'brand',
24 'notRepairedDamage'], "values": [{"coupe", 2022, "manual", 109, "grand", 125000, 2, "pe
25
26 new_df = new_df.append(new_row, ignore_index=True)
27 [[2002, 109, 0, 150000, 0, 1, 0, 0, 0, 0, 0]]
28 [[2021, 5748857]]
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