

TRAIN THE MODEL ON IBM

Date	19 November 2022
Team ID	PNT2022TMID11626
Project Name	Car Resale Value Prediction

1) Register for IBM Cloud

The screenshot shows the IBM Watson Studio interface for a project named 'Car Resale Value Prediction'. The top navigation bar includes 'Overview', 'Assets', 'Jobs', and 'Manage'. The 'Overview' tab is active, displaying a summary of the project. On the left, under 'Assets', there are two items: 'value prediction' (created 1 minute ago) and 'Cleaned_Car_data.csv_flow' (created 18 minutes ago). The 'Resource usage' section shows '0.5 CUH' for this month. The 'Project history' section shows a message: 'You created project Car Resale Value Prediction Today at 03:12 PM'. A 'Readme' section is also visible, with a placeholder for project notes.

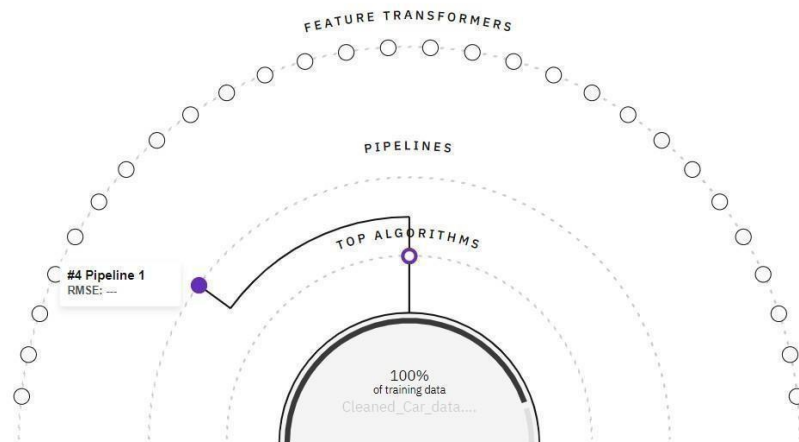
2) Train the ML model on IBM

The screenshot shows the 'Assets' page in IBM Watson Studio. The top navigation bar includes 'Overview', 'Assets', 'Jobs', and 'Manage'. The 'Assets' tab is active, displaying a list of assets. On the left, there is a sidebar with 'Asset types' (Data, Flows, Experiments) and a search bar. The main area shows a table of assets:

Name	Last modified
value prediction AutoAI experiment	Now Modified by you
Cleaned_Car_data.csv_flow Data Refinery flow	17 minutes ago Modified by you
Cleaned_Car_data.csv csv	29 minutes ago Modified by you

Relationship map ④

Prediction column: Price



Relationship map ④

Prediction column: Price



3) Integrate Flask with Scoring End Point

```
Projects / Car Resale Value Prediction / car-resale-value-prediction-LGBM

In [23]: model_id = uml_client.repository.get_model_id(model_details)
         model_id
Out[23]: '8852c589-045d-4e0e-a2cb-8f586f3b4648'

In [24]: # Set auto
         deployment_props = {
           uml_client.deployments.ConfigurationMetaNames.NAME: DEPLOYMENT_NAME,
           uml_client.deployments.ConfigurationMetaNames.ONLINE: {}
         }

In [25]: # Deploy
         deployment = uml_client.deployments.create(
           artifact_uid=model_id,
           meta_props=deployment_props
         )

*****

Synchronous deployment creation for uid: '8852c589-045d-4e0e-a2cb-8f586f3b4648' 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='7f67cbcd-6222-413b-9901-b2a72807ac82'
.....
```