

## TRAIN THE MODEL ON IBM

Date	24 November 2022
Team ID	<b>Team ID :</b> PNT2022TMID35029
Project Name	Car Resale Value Prediction

### 1) Register for IBM Cloud

The screenshot displays the IBM Watson Studio web interface. At the top, there's a navigation bar with the IBM Watson Studio logo, a search bar, and user account information (Sangavi R's Account, Frankfurt). Below the navigation bar, the breadcrumb path 'Projects / Car Resale Value Prediction' is visible. The main content area is divided into several sections: 'Overview' (selected), 'Assets', 'Jobs', and 'Manage'. The 'Overview' section shows 'Assets' (value prediction, Cleaned\_Car\_data.csv\_flow), 'Resource usage' (0.5 CUH), and 'Project history' (You created project Car Resale Value Prediction). A 'Readme' section is also present with a placeholder for project notes.

## 2) Train the ML model on IBM

IBM Watson Studio

Search in your workspaces

Buy

Projects / Car Resale Value Prediction

Overview Assets Jobs Manage

Find assets

Import assets

New asset

3 assets

All assets

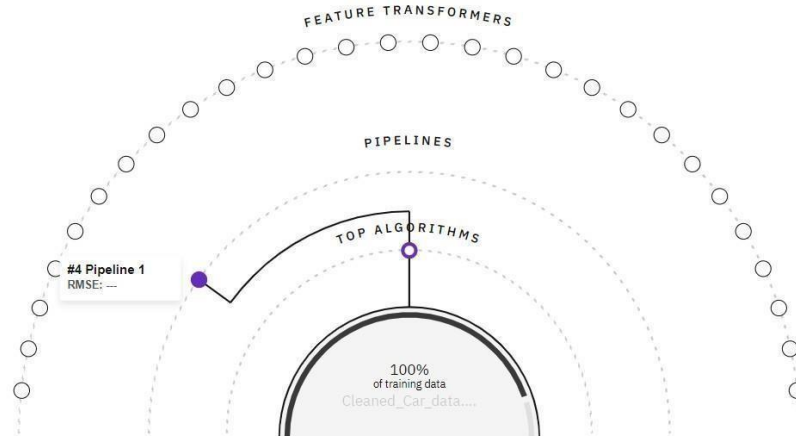
Asset types

- Data 1
- Flows 1
- Experiments 1

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

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 [22]: model_id = uml_client.repository.get_model_id(model_details)
         model_id
Out[22]: '8852c589-045d-4e0e-a2cb-8f586f3b4648'

In [24]: # Set meta
         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'
```