

## TRAIN THE MODEL ON IBM

Date	19 November 2022
Team ID	PNT2022TMID25623
Project Name	Car Resale Value Prediction

### 1) Register for IBM Cloud

The screenshot shows the IBM Cloud project overview page for a project named 'Car Resale Value Prediction'. The page has a top navigation bar with 'Projects / Car Resale Value Prediction' and a 'Launch IDE' button. Below the navigation bar are tabs for 'Overview', 'Assets', 'Jobs', and 'Manage'. The 'Overview' tab is active, displaying three main sections: 'Assets', 'Resource usage', and 'Project history'. The 'Assets' section lists two assets: 'value prediction' (created 1 minute ago) and 'Cleaned\_Car\_data.csv\_flow' (created 15 minutes ago). The 'Resource usage' section shows '0.5 CUH' for this month. The 'Project history' section shows a single entry: 'You created project Car Resale Value Prediction' at 03:12 PM today. A 'Readme' section is also visible, prompting the user to add project notes or instructions.

### 2) Train the ML model on IBM

IBM Watson Studio

Search in your workspaces

Buy

Projects / Car Resale Value Prediction

OverviewAssetsJobsManage

Find assets

Import assets

New asset

3 assets

All assets

Asset types

Data

Flows

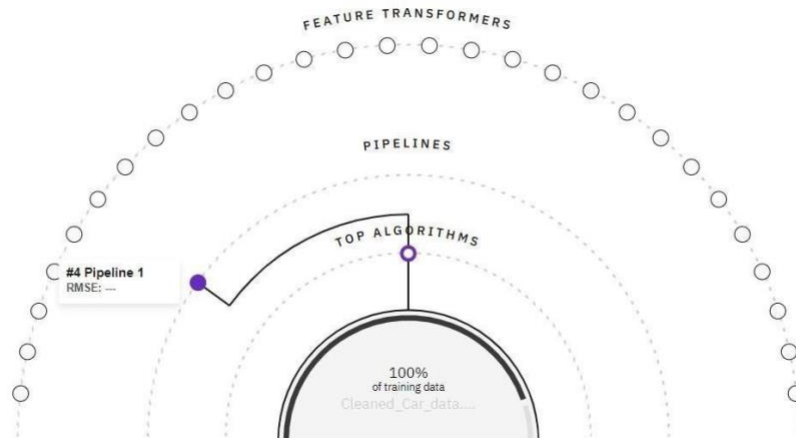
Experiments

All 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

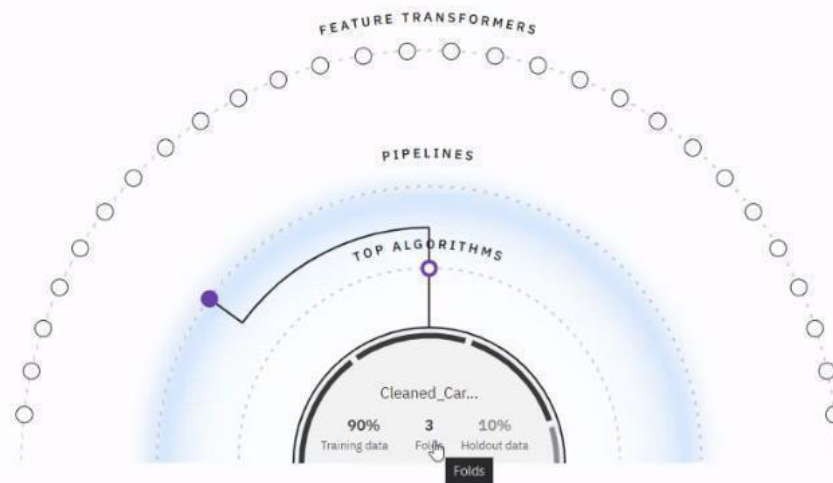
## Relationship map

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 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'
```