

TRAIN THE MODEL ON IBM

Team ID	PNT2022TMID23258
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 the IBM Watson Studio logo, a search bar, and user account information. The main content area is divided into four panels: "Assets" (listing "value prediction" and "Cleaned_Car_data.csv_flow"), "Resource usage" (showing "0.5 CUH" for this month), "Project history" (showing the project creation), and "Readme" (a placeholder for project notes).

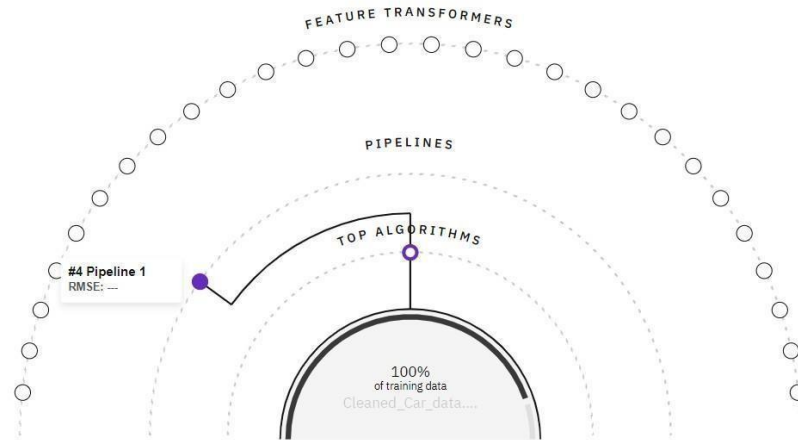
2) Train the ML model on IBM

The screenshot shows the IBM Watson Studio interface with the "Assets" tab selected. The left sidebar shows "3 assets" and "Asset types" (Data, Flows, Experiments). The main area displays a table of "All assets" with columns "Name" and "Last modified".

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

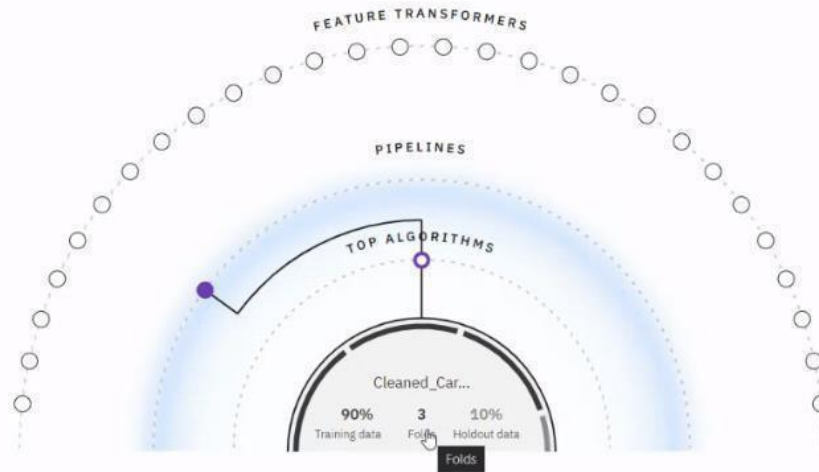
Relationship map ①

Prediction column: Price



Relationship map ②

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'
.....
```