

## Train the Model on IBM

Date	17 November 2022
Team ID	PNT2022TMID12985
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 a recent creation event), and "Readme" (a placeholder for project notes).

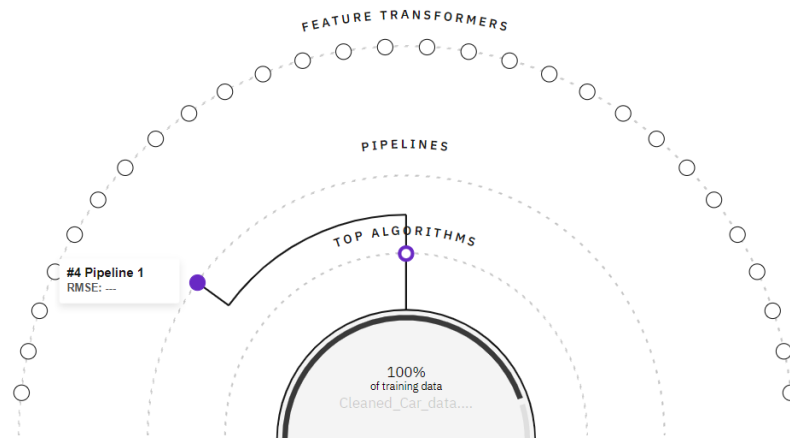
### 2) Train the ML model on IBM

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

Name	Last modified	Status
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	!

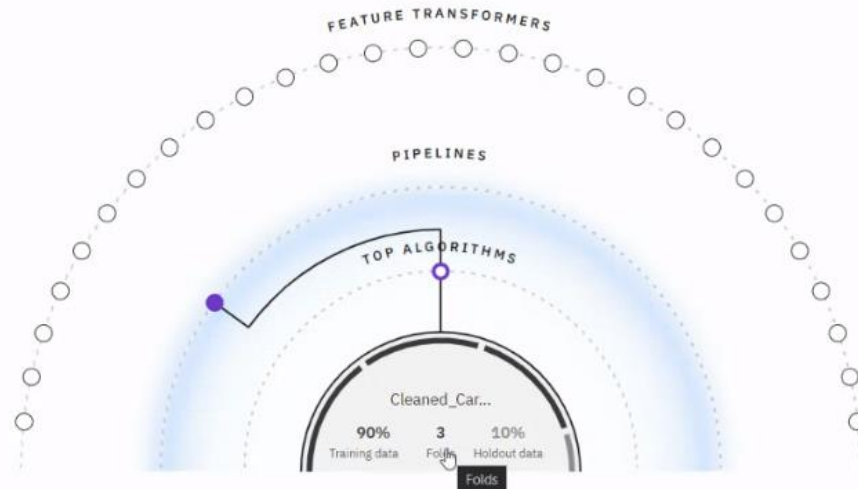
## Relationship map ①

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_urls instead.

ready

-----
Successfully finished deployment creation, deployment_uid='7f67cbcd-6222-413b-9901-b2a72807ac82'
-----
```