

## TRAIN THE MODEL ON IBM

Date	17 November 2022
Team ID	PNT2022TMID45578
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 three sections: "Assets", "Resource usage", and "Project history".

- Assets:** Lists two assets: "value prediction" (created 1 minute ago) and "Cleaned\_Car\_data.csv\_flow" (created 18 minutes ago).
- Resource usage:** Displays "0.5 CUH" for this month in this project.
- Project history:** Shows a log entry: "You created project Car Resale Value Prediction" at 03:12 PM today.

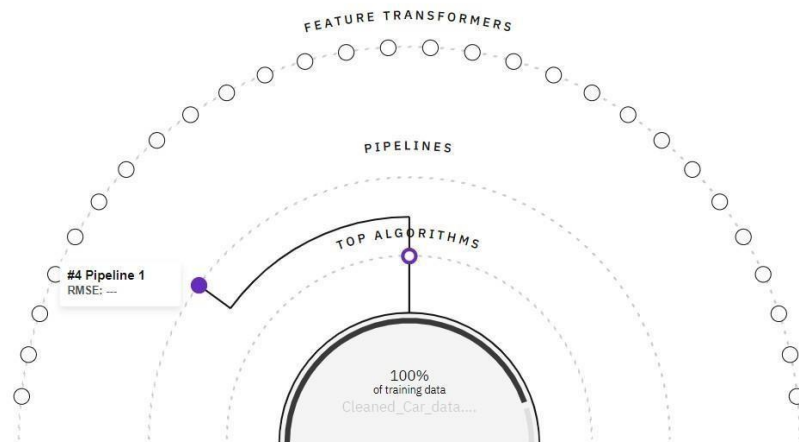
### 2) Train the ML model on IBM

The screenshot shows the IBM Watson Studio interface for the same project, now with the "Assets" tab selected. The left sidebar shows "3 assets" and "All assets". The main content area displays 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

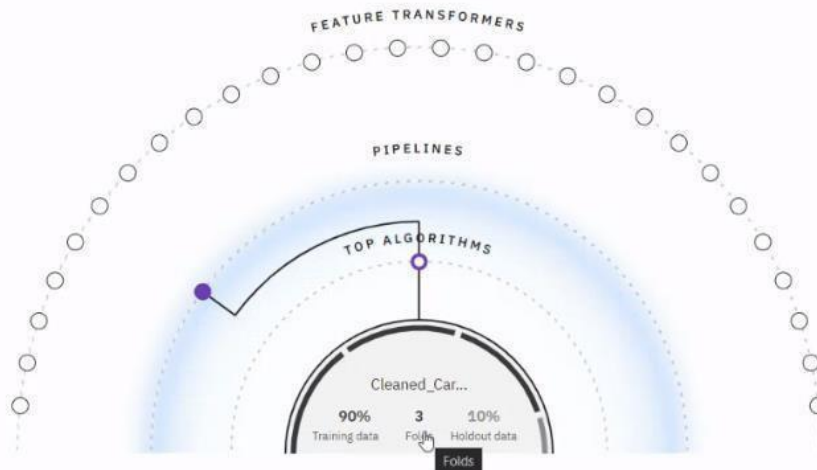
## Relationship map ①

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

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

In [25]: # Deploy
         deployment = wml_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'
=====
```