

TRAIN THE MODEL ON IBM

Date	17 November 2022
Team ID	IBM-EPBL/IBM-Project-44288-1660723753
Project Name	Car Resale Value Prediction

1) Register for IBM Cloud

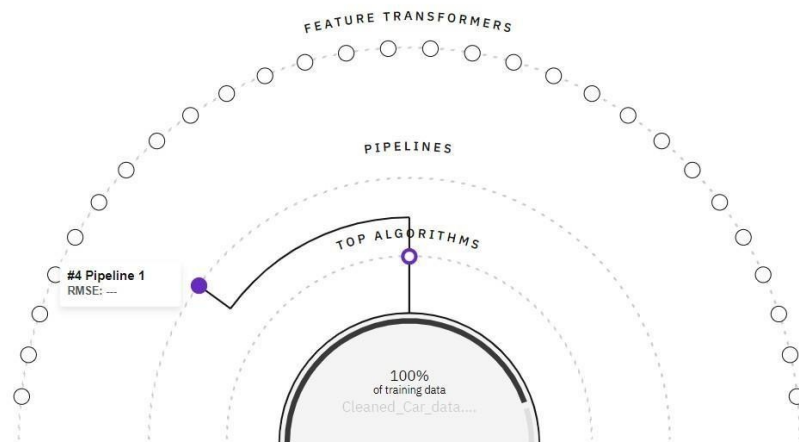
The screenshot shows the IBM Watson Studio interface for a project named 'Car Resale Value Prediction'. The top navigation bar includes the IBM Watson Studio logo, a search bar, and user account information. The main content area is divided into three sections: 'Assets', 'Resource usage', and 'Project history'. The 'Assets' section lists two assets: 'value prediction' (created 1 minute ago) and 'Cleaned_Car_data.csv_flow' (created 18 minutes ago). The 'Resource usage' section shows a usage of 0.5 CUH for this month. The 'Project history' section 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 with the 'Assets' tab selected. The left sidebar shows '3 assets' and 'All assets' sections. The 'All assets' section lists three assets: 'value prediction' (AutoAI experiment, modified 'Now'), 'Cleaned_Car_data.csv_flow' (Data Refinery flow, modified '17 minutes ago'), and 'Cleaned_Car_data.csv' (csv, modified '29 minutes ago'). The right sidebar shows 'Import assets' and 'New asset' buttons.

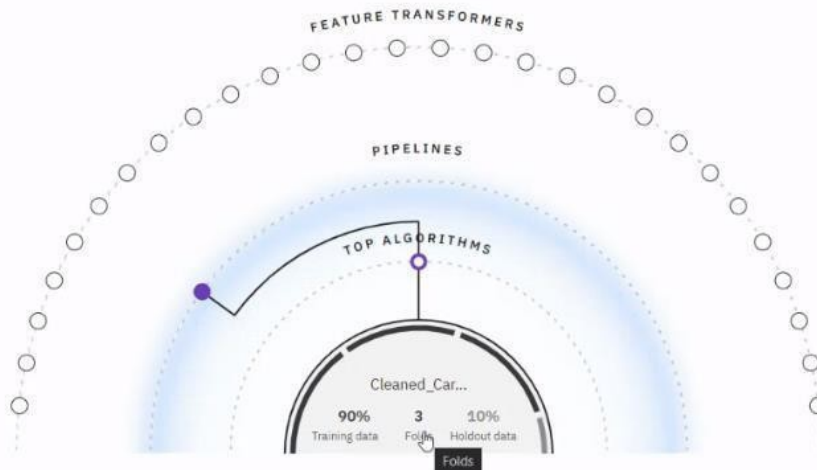
Relationship map ①

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'
=====
```