

## TRAIN THE MODEL ON IBM

Date	17 November 2022
Team ID	PNT2022TMID40776
Project Name	Car Resale Value Prediction

### 1) Register for IBM Cloud

The screenshot shows the IBM Watson Studio interface. The top navigation bar includes the IBM Watson Studio logo, a search bar, and user account information (Sangavi R's Account, Frankfurt). The main content area is divided into four panels: Assets, Resource usage, Project history, and Readme. The Assets panel lists 'value prediction' and 'Cleaned\_Car\_data.csv\_flow'. The Resource usage panel shows '0.5 CUH' for this month. The Project history panel shows a recent action: 'You created project Car Resale Value Prediction' at 03:12 PM. The Readme panel is currently empty.

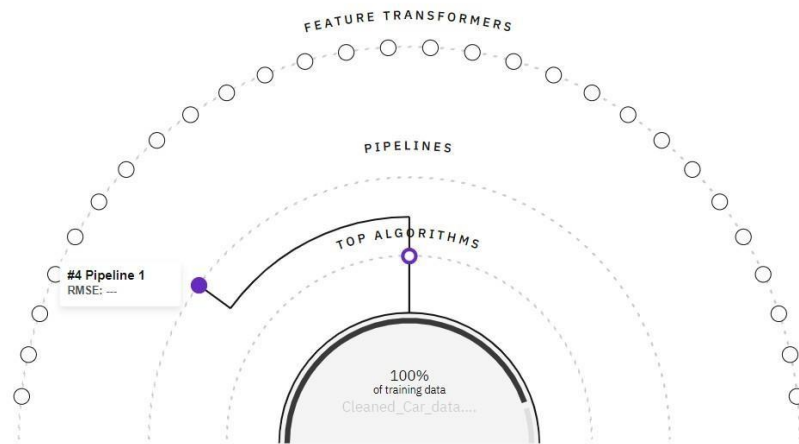
### 2) Train the ML model on IBM

The screenshot shows the IBM Watson Studio Assets page. The top navigation bar includes the IBM Watson Studio logo, a search bar, and user account information (Buy, Frankfurt). The main content area is divided into two panels: Asset types and All assets. The Asset types panel shows a list of asset types: Data, Flows, and Experiments. The All assets panel shows 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

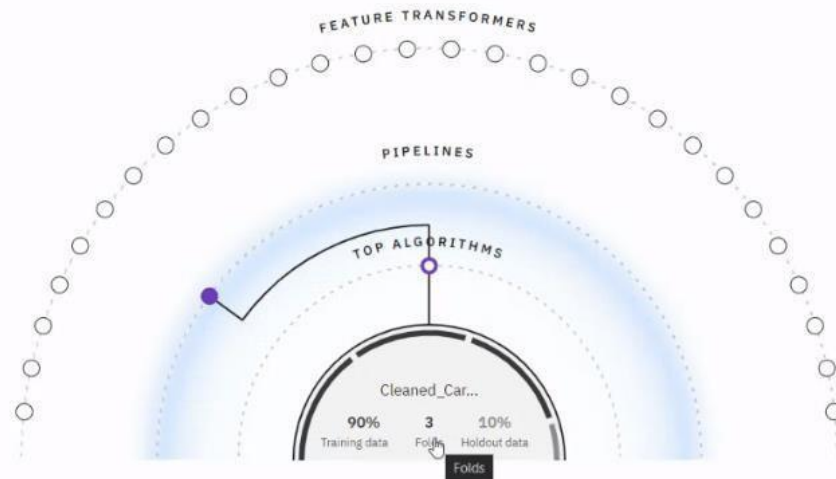
## Relationship map ①

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'
=====
```