

TRAIN THE MODEL ON IBM

Team ID	Team ID : PNT2022TMID42137
Project Name	Car Resale Value Prediction
College Name	AVS College Of Technology

1) Register for IBM Cloud

The screenshot displays the IBM Watson Studio web interface. At the top, there's a navigation bar with the IBM Watson Studio logo, a search bar, and user account information (Sangavi R's Account, Frankfurt). Below the navigation bar, the breadcrumb path 'Projects / Car Resale Value Prediction' is visible. The main content area is divided into four panels: 'Assets' on the left, 'Resource usage' in the top middle, 'Project history' in the top right, and a 'Readme' section at the bottom. The 'Assets' panel lists two items: 'value prediction' (created 1 minute ago) and 'Cleaned_Car_data.csv_flow' (created 18 minutes ago). The 'Resource usage' panel shows '0.5 CUH' for this month. The 'Project history' panel shows a log entry: 'You created project Car Resale Value Prediction' at 03:12 PM. The 'Readme' section has a placeholder text: 'Type project notes, reminders, or instructions'.

2) Train the ML model on IBM

IBM Watson Studio

Search in your workspaces

Buy

Projects / Car Resale Value Prediction

Overview Assets Jobs Manage

Find assets

Import assets

New asset

3 assets

All assets

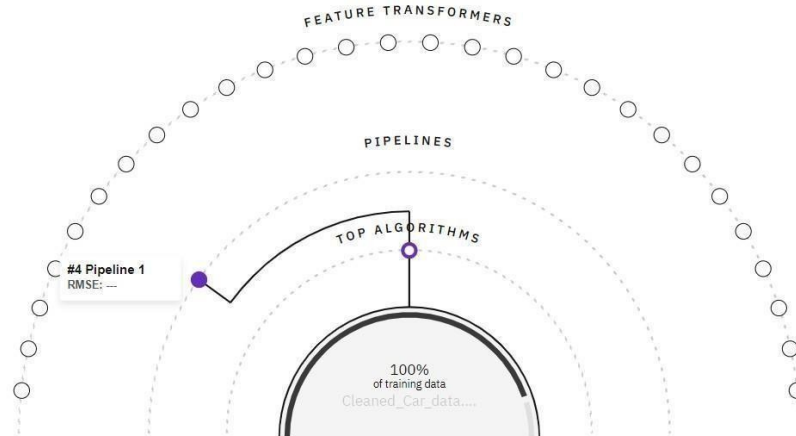
Asset types

- Data 1
- Flows 1
- Experiments 1

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

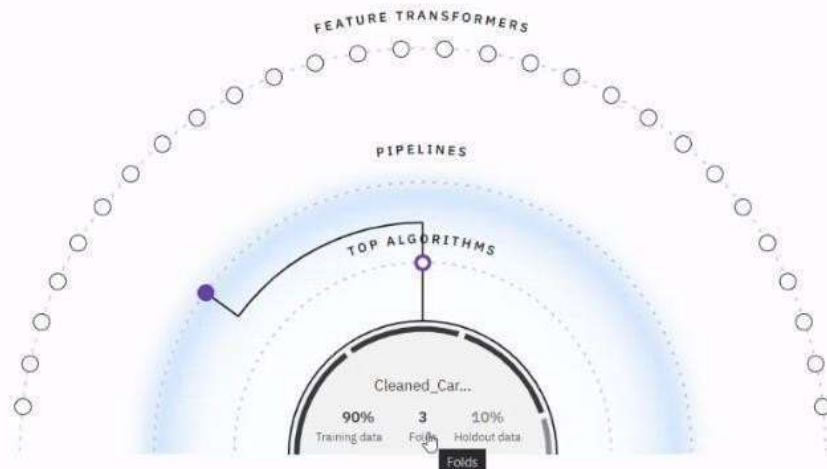
Relationship map

Prediction column: Price



Relationship map ④

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-9081-b2a72807ac82'
```