



# AI-900- 1 to 2c

## LAB 1 : Launch and create ML Workplace and resource group which will manage all resources.

Resources		
Recent Favorite		
Name	Type	Last Viewed
 Monish_ML_Work	Azure Machine Learning workspace	15 hours ago
 Monish_PML_RG	Resource group	16 hours ago

## LAB 2 : Deploy and test the model.

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Monish\_ML\_Work

Create data asset

✓ Data type

✓ Data source

✓ Destination storage type

✓ File or folder selection

✓ Settings

✓ Schema

7 Review

Review

Review the settings for your data asset and make any changes as needed.

Data type

Name  
bike-rentals2

Description  
Historic bike rental data.

Type  
tabular

Data source

Type  
Local

File selection

Upload path  
azureml://subscriptions/2b99f1a4-7dae-45cc-be9b-8e68808643e0/resourcegroups/Monish\_PML\_RG/workspaces/Monish\_ML\_Work/datastores/workspaceblobstore/paths/UI/2024-12-18\_230753\_UTC/bike-data

Files uploaded  
daily-bike-share.csv, MLTable

Storage

Datastore type  
AzureBlob

Datastore name  
workspaceblobstore

Settings

Schema

# MLTable  
definition file  
String

Column2  
String

Back

Create

Cancel

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Purplenow Technologies > Monish\_ML\_Work > Training job

**Submit an Automated ML job**

✓ Training method

✓ Basic settings

✓ Task type & data

**4 Task settings**

5 Compute

6 Review

Max concurrent trials ①

3

Max nodes ①

1

Metric score threshold ①

0.85

Experiment timeout (minutes) ①

15

Iteration timeout (minutes) ①

1

☒ Enable early termination ①

**Validate and test**

You can choose a validation type and select test data as an optional step.

Validation type ①

Train-validation split

Percentage validation of data \* ①

10

Automated ML recommends that between 10 and 30 percent of data is held out for validation

Test data ①

None

Back

Next

Cancel

Monish\_ML\_Wo... ml.azure.com

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Purplenow Technologies > Monish\_ML\_Work > Jobs > mslearn-bike-rentals > mslearn-bike-automl

**mslearn-bike-automl** ✎️ ☆️ ✓ Completed

Overview

Data guardrails

Models + child jobs

Outputs + logs

Child jobs

🔄 Refresh

🔍 Edit and submit (preview)

➕ Register model

⌛ Cancel

🗑️ Delete

🔍 Compare (preview) ▾

**Properties**

Status

✓ Completed ▾

⚠️ Warning: User specified exit score reached, hence experiment is stopped.  
Current user specified exit\_score/Metric Score Threshold: 0.85

[See more details](#)

Created on

Dec 19, 2024 4:50 AM

Start time

Dec 19, 2024 4:50 AM

Duration

14m 40.61s

Compute duration

14m 40.61s

Name

**Inputs**

Input name: training\_data

Data asset: data-rentalscsv:1

Asset URI: azureml:data-rentalscsv:1

**Outputs**

Output name: best\_model

Model: azureml\_mslearn-bike-automl\_0\_output\_mlflow\_log\_model\_696665238:1

Asset URI: azureml:azureml\_mslearn-bike-automl\_0\_output\_...

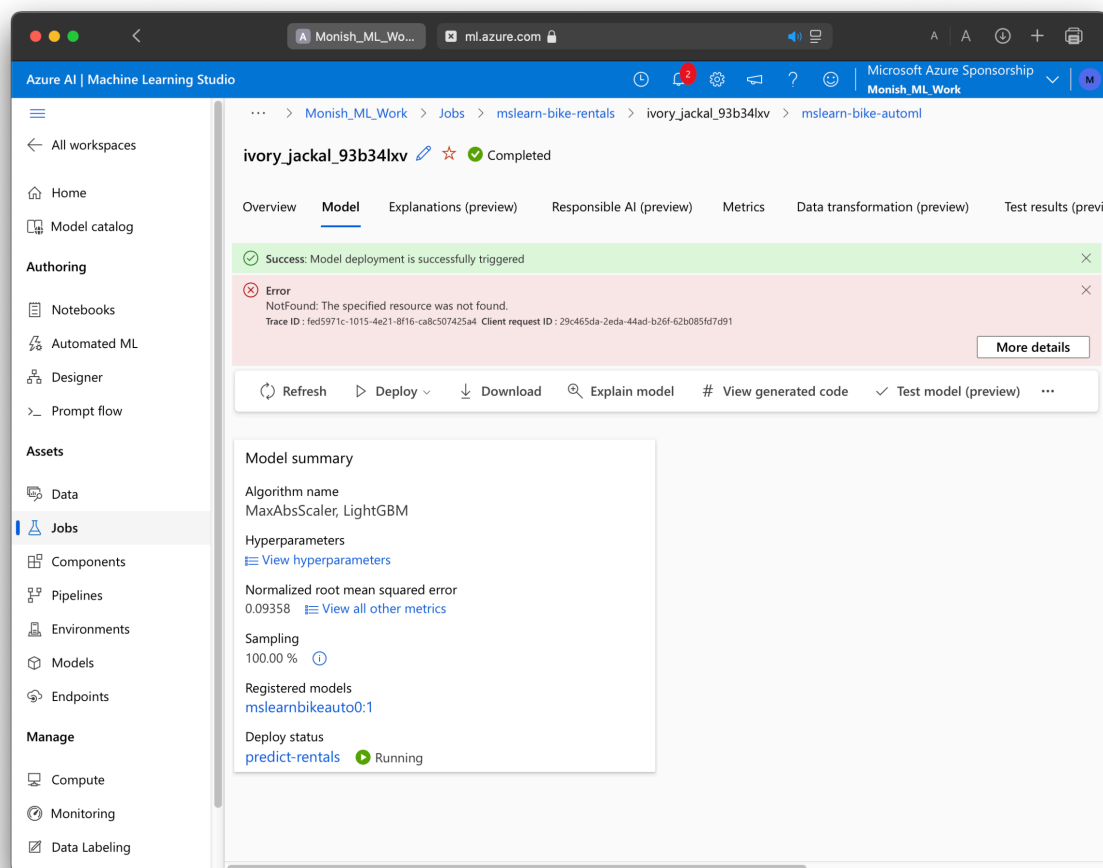
**Best model summary**

Algorithm name

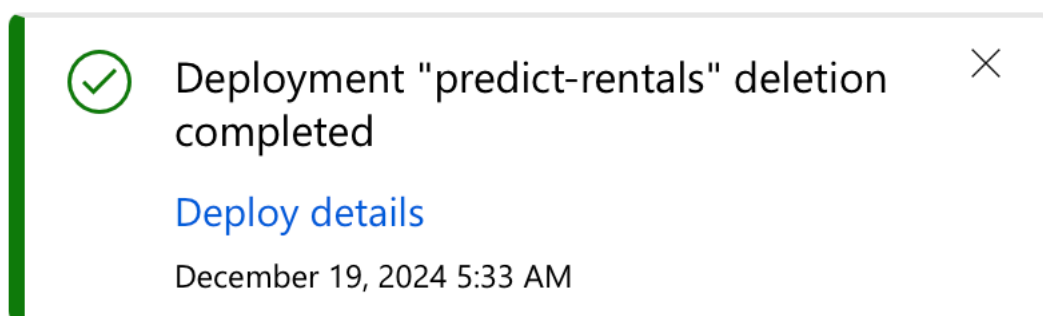
MaxAbsScaler, LightGBM

Hyperparameters

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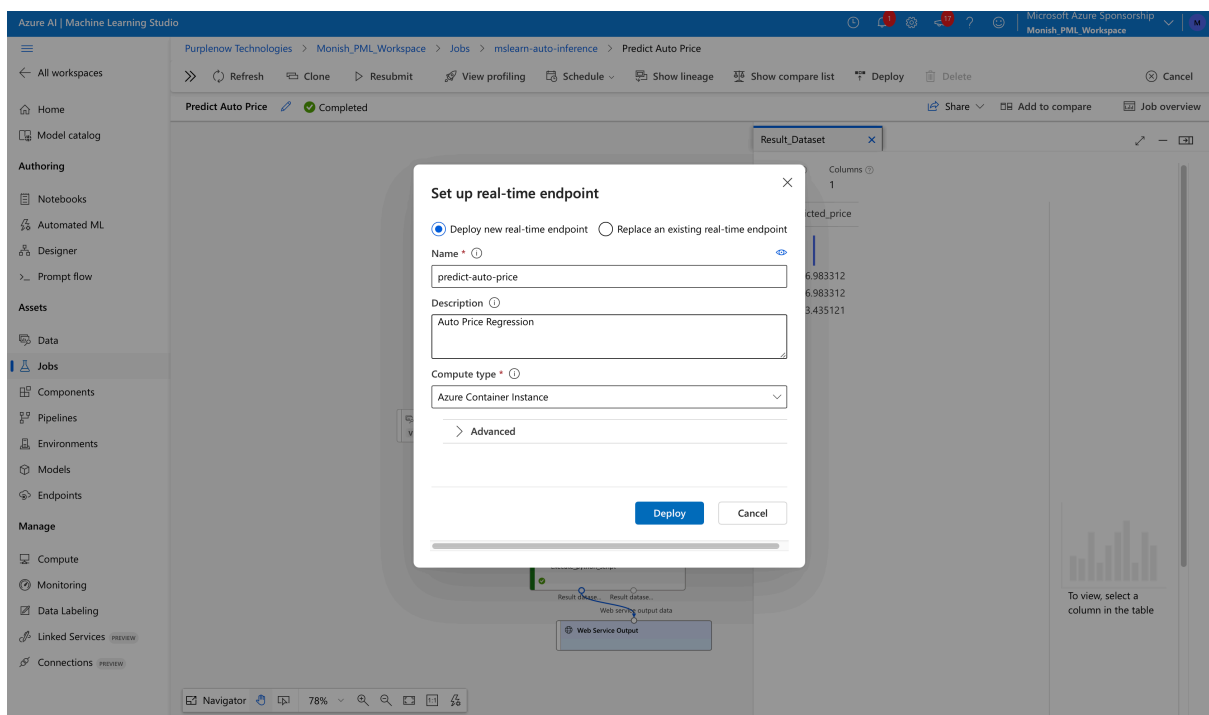
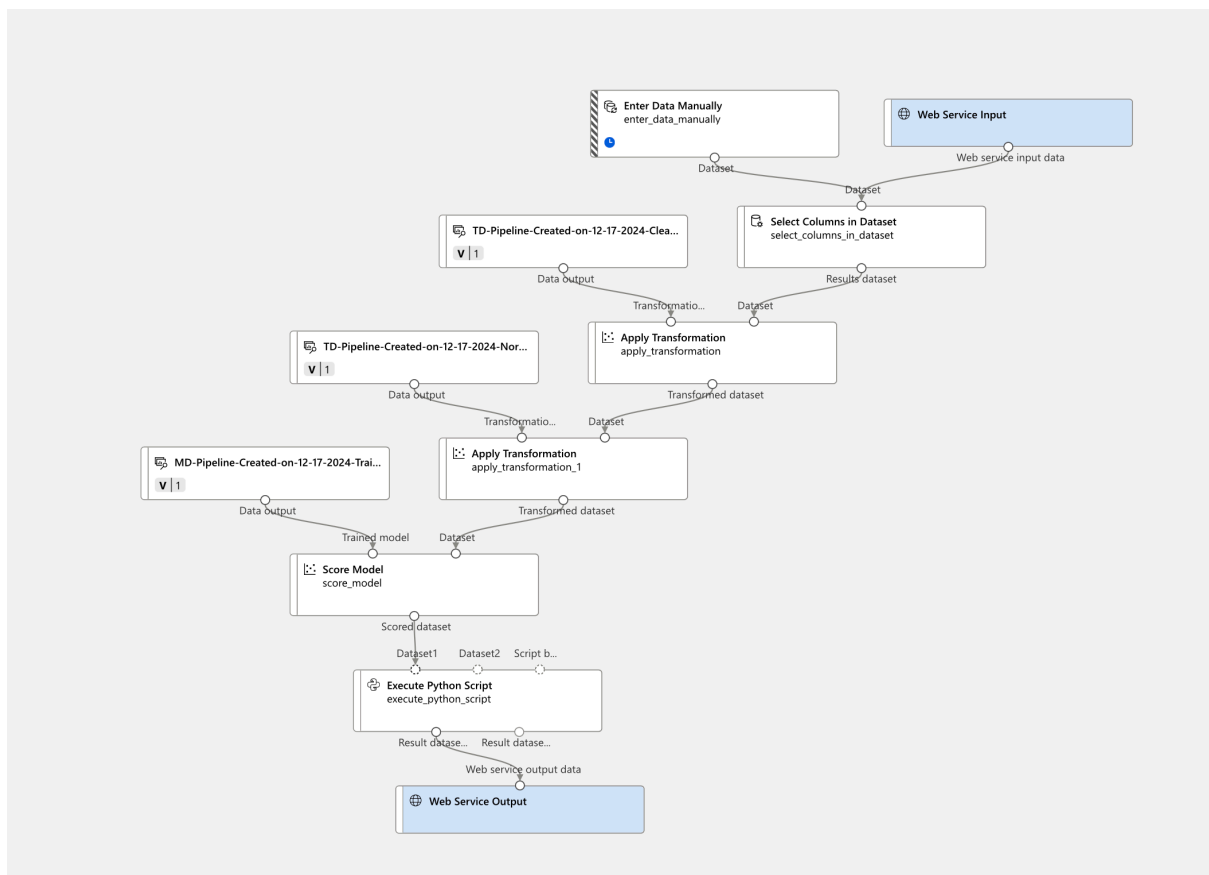
Deployed the automated ml model with. Cycle rentals prediction daily.



**LAB 2.2 : Computer vision Training model.**

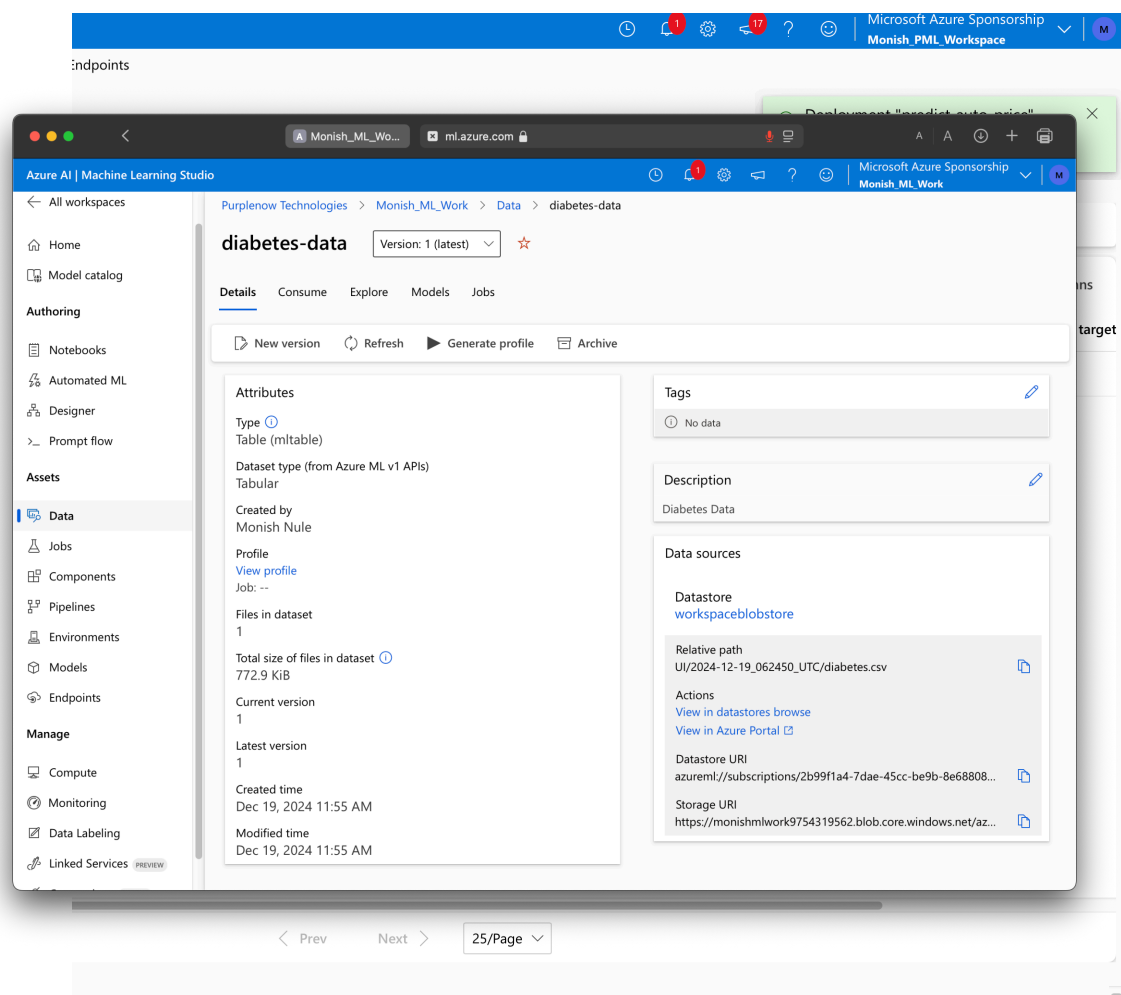
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## LAB 2.A : Create regression model and deploy it.



Deleting deployed Predict auto price regression model.

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## LAB 2.B : Designer Classification model and deploy it.

Data created.

## LAB 2.C : Design Cluster model and deploy it too.

AML\_Computes is Computing Cluster for computational purpose on Worspace. First thing to create. Penguin data created >>>

Submit & Configured — loading to run.