1.Cluster

https://community.cloud.databricks.com/?o=853096632416255#notebook/546359089057236/command/546359089057272

2.Published Link : Valid till 6 Months

https://databricks-prod-cloudfront.cloud.databricks.com/public/4027ec902e239c93eaaa8714f173bcfc/853096632416255/546359089057236/6384386000767703/latest.html

User Path : /Users/vijaygurung555@gmail.com/ML_Flow 01:17:30

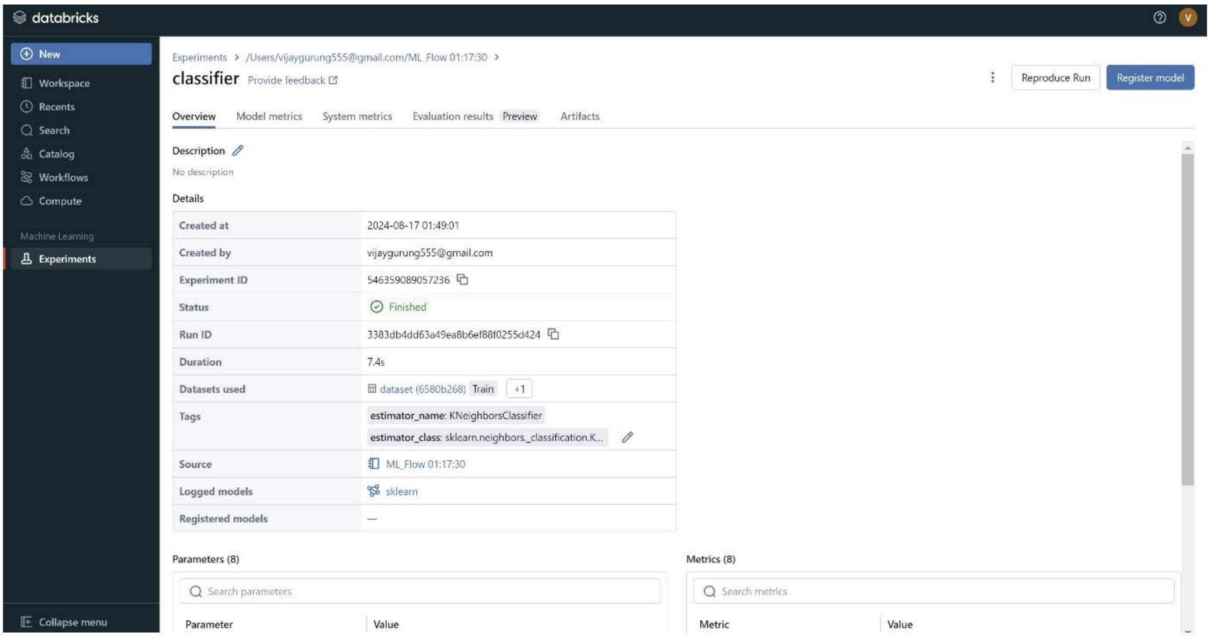
Experiment ID : 546359089057236

Artifact Location : dbfs:/databricks/mlflow-tracking/546359089057236

Description : **THIS IS MY REGRESSOR ML FLOW MODEL **

Matrix Run ID : [3383db4dd63a49ea8b6ef88f0255d424]

Overview :



classifier

Description

No description

Details

Created at	2024-08-17 01:49:01
Created by	vijaygurung555@gmail.com
Experiment ID	546359089057236
Status	Finished
Run ID	3383db4dd63a49ea8b6ef88f0255d424
Duration	7.4s
Datasets used	dataset (6580b268) Train +1
Tags	estimator_name: KNeighborsClassifier estimator_class: sklearn.neighbors._classification.K...
Source	ML_Flow 01:17:30
Logged models	sklearn
Registered models	—

Parameters (8)

Search parameters

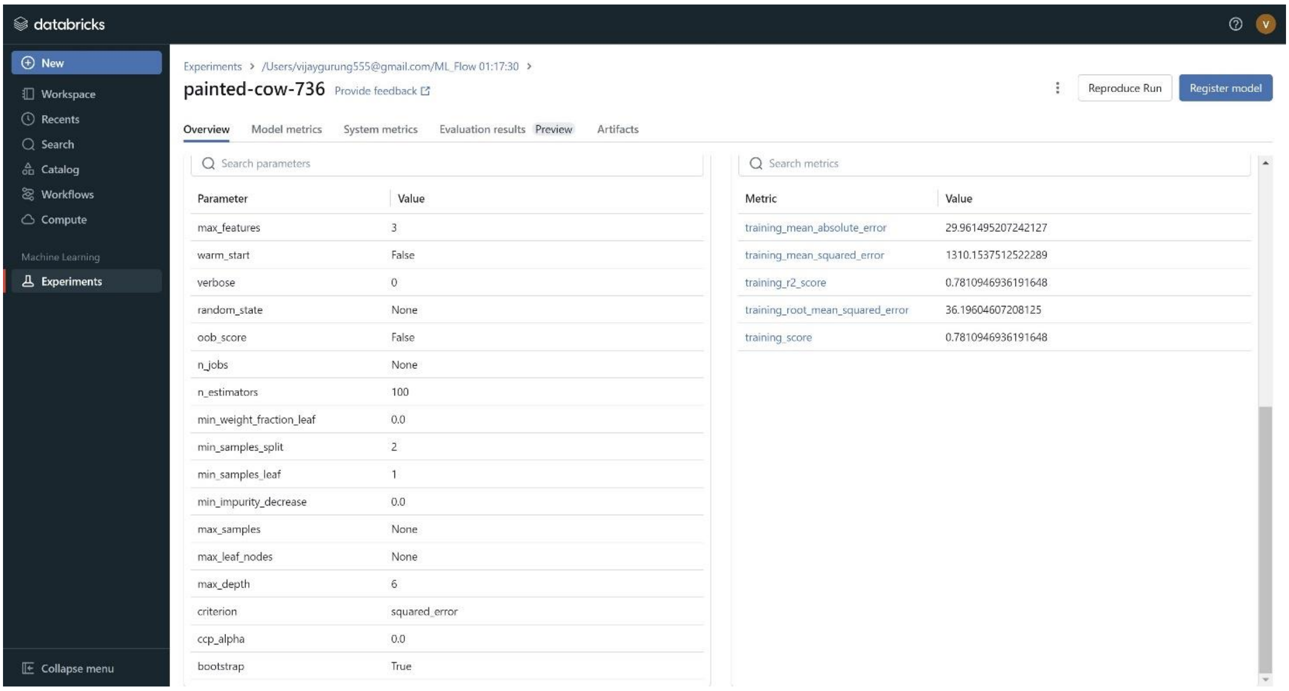
Parameter	Value

Metrics (8)

Search metrics

Metric	Value

Parameters :

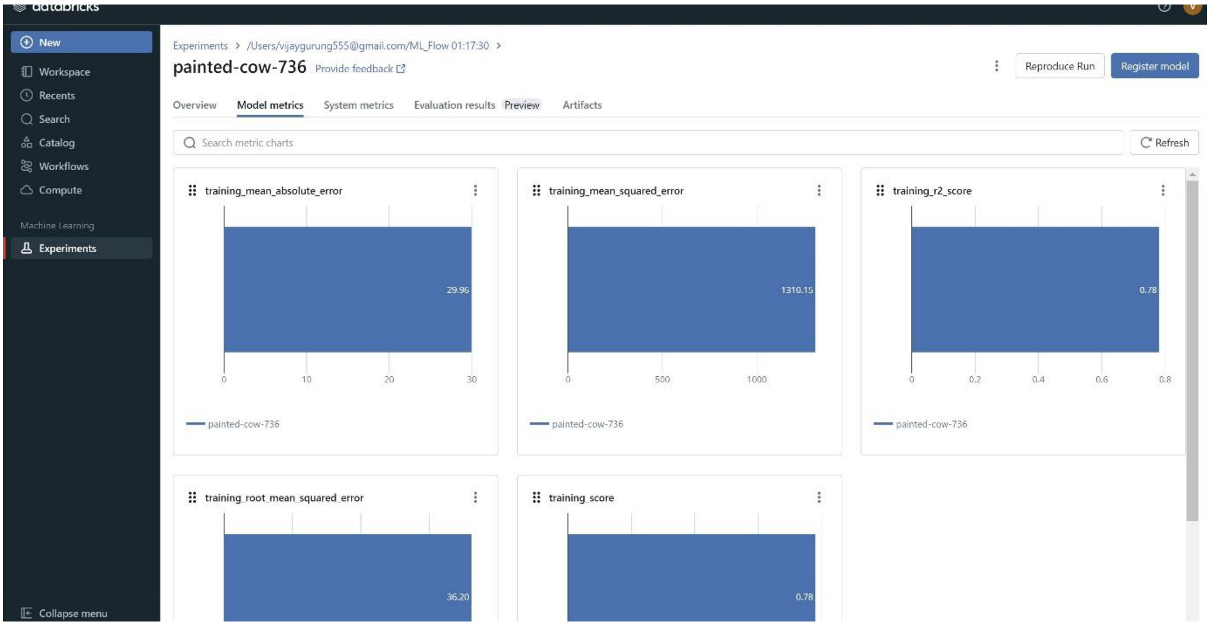


painted-cow-736 Provide feedback

Parameter	Value
max_features	3
warm_start	False
verbose	0
random_state	None
oob_score	False
n_jobs	None
n_estimators	100
min_weight_fraction_leaf	0.0
min_samples_split	2
min_samples_leaf	1
min_impurity_decrease	0.0
max_samples	None
max_leaf_nodes	None
max_depth	6
criterion	squared_error
ccp_alpha	0.0
bootstrap	True

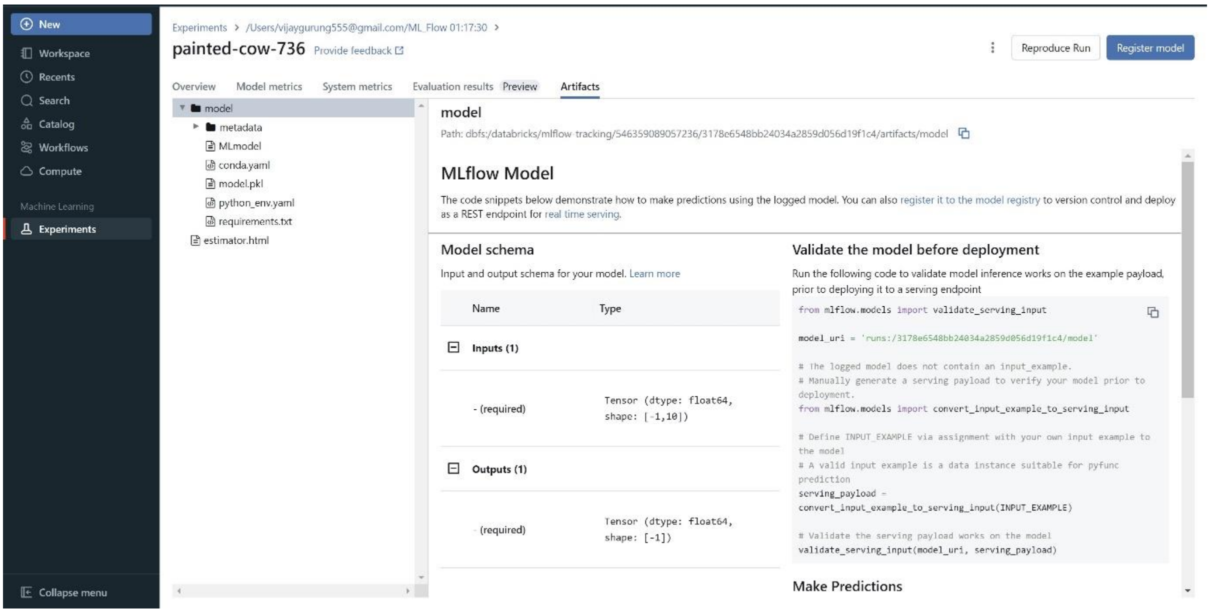
Metric	Value
training_mean_absolute_error	29.961495207242127
training_mean_squared_error	1310.1537512522289
training_r2_score	0.7810946936191648
training_root_mean_squared_error	36.19604607208125
training_score	0.7810946936191648

Matrix Graph :



painted-cow-736 Provide feedback

ML Flow Model : Sources Code : Apache Spark ML Flow:



Experiments > /Users/vijaygurung555@gmail.com/ML_Flow 01:17:30 >

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model

Path: dbfs:/databricks/mlflow-tracking/546359089057236/3178e6548bb24034a2859d056d19f1c4/artifacts/model

MLflow Model

The code snippets below demonstrate how to make predictions using the logged model. You can also register it to the model registry to version control and deploy as a REST endpoint for real time serving.

Model schema

Input and output schema for your model. Learn more

Name	Type
⊟ Inputs (1)	
- (required)	Tensor (dtype: float64, shape: [-1,10])
⊟ Outputs (1)	
- (required)	Tensor (dtype: float64, shape: [-1])

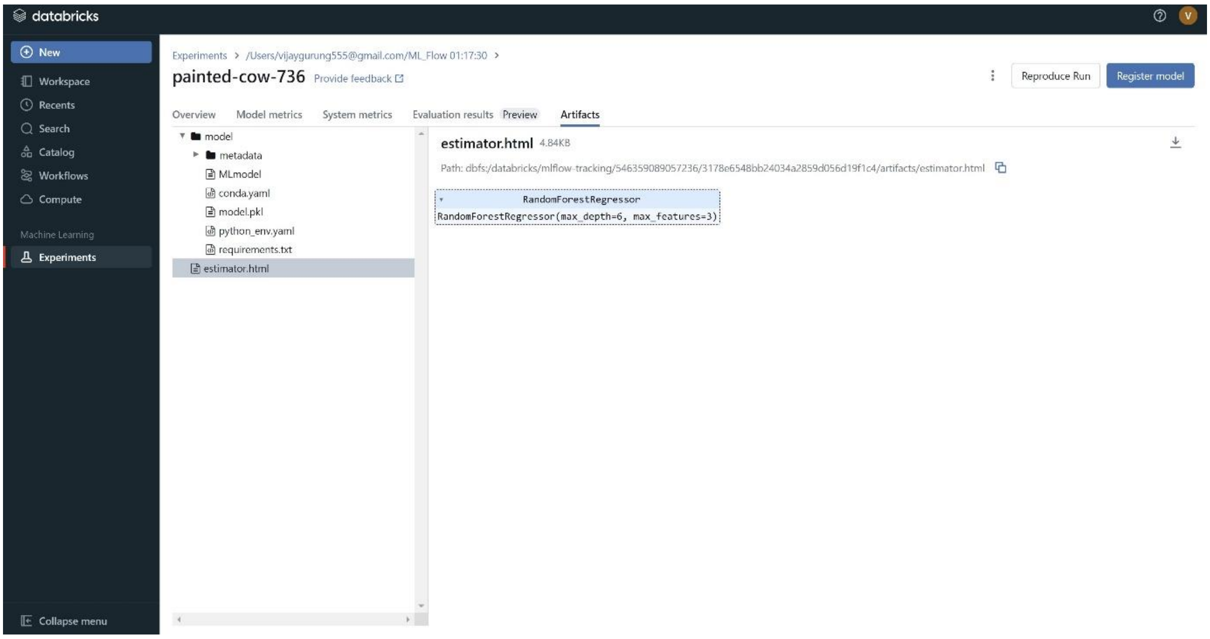
Validate the model before deployment

Run the following code to validate model inference works on the example payload, prior to deploying it to a serving endpoint

```
from mlflow.models import validate_serving_input

model_uri = 'runs:/3178e6548bb24034a2859d056d19f1c4/model'

# The logged model does not contain an input_example.
# Manually generate a serving payload to verify your model prior to
deployment.
from mlflow.models import convert_input_example_to_serving_input

# Define INPUT_EXAMPLE via assignment with your own input example to
the model
# A valid input example is a data instance suitable for pyfunc
prediction
serving_payload =
convert_input_example_to_serving_input(INPUT_EXAMPLE)

# Validate the serving payload works on the model
validate_serving_input(model_uri, serving_payload)
```

Make Predictions

Estimator_HTML



Experiments > /Users/vijaygurung555@gmail.com/ML_Flow 01:17:30 >

painted-cow-736 Provide feedback

estimator.html 4.84KB

Path: dbfs:/databricks/mlflow-tracking/546359089057236/3178e6548bb24034a2859d056d19f1c4/artifacts/estimator.html

```
RandomForestRegressor
RandomForestRegressor(max_depth=6, max_features=3)
```

ML Model : PKL File :

PKL stands for (Python pickle files)

These allow us the store the stageses.

Use PKL ML used for efficiently saving, loading, sharing and reproducing models and other Python objects.