

mlflow2.8.0ExperimentsModels

Experiments

lead_scoring_experimentation

Experiment ID: 1Artifact Location: /Users/kishoregeorge/Development/MLDS/repos/mllops-assignment/Assignment/mlruns/1

Search Experiments

Default

lead_scoring_experimentation

metrics.rmse < 1 and params.model = "tree"

Time created

State: Active

Sort: Created

Columns

Table

	Run Name	Created	Dataset	Duration	Source	Models
	Session Initialized bc07	4 minutes ago	-	-	ipykerne...	-
	Light Gradient Boosting Machine	2 minutes ago	-	1.7s	ipykerne...	sklearn
	Naive Bayes	2 minutes ago	-	100ms	ipykerne...	sklearn
	Linear Discriminant Analysis	2 minutes ago	-	73ms	ipykerne...	sklearn
	Ridge Classifier	2 minutes ago	-	70ms	ipykerne...	sklearn
	Logistic Regression	2 minutes ago	-	98ms	ipykerne...	sklearn
	Decision Tree Classifier	2 minutes ago	-	161ms	ipykerne...	sklearn
	Extra Trees Classifier	2 minutes ago	-	101ms	ipykerne...	sklearn
	Random Forest Classifier	2 minutes ago	-	102ms	ipykerne...	sklearn
	Light Gradient Boosting Machine	2 minutes ago	-	2.5s	ipykerne...	sklearn
	Session Initialized 9785	8 minutes ago	-	4.0min	ipykerne...	-
	Naive Bayes	5 minutes ago	-	254ms	ipykerne...	sklearn
	Linear Discriminant Analysis	5 minutes ago	-	336ms	ipykerne...	sklearn
	Ridge Classifier	5 minutes ago	-	66ms	ipykerne...	sklearn
	Logistic Regression	5 minutes ago	-	67ms	ipykerne...	sklearn
	Decision Tree Classifier	5 minutes ago	-	66ms	ipykerne...	sklearn
	Extra Trees Classifier	5 minutes ago	-	72ms	ipykerne...	sklearn
	Random Forest Classifier	5 minutes ago	-	83ms	ipykerne...	sklearn
	Light Gradient Boosting Machine	5 minutes ago	-	1.8s	ipykerne...	sklearn

30 matching runs

mlflow2.8.0ExperimentsModels

Lead_Scoring_Training_Pipeline > run_LightGB

Run ID: dde00925a04e46d095b3a2575b1f2434Date: 2023-11-19 16:30:36Source: ipykernel_launcher.pyUser: kishoregeorgeDuration: 3.2s

Status: FINISHEDLifecycle Stage: active

Description Edit

Datasets

Parameters (20)

Metrics (1)

Tags

Artifacts

models

Full Path: /Users/kishoregeorge/Development/MLDS/repos/mllops-assignment/Assignment/mlruns/1/dde00925a04e46d095b3a2575b1f2434/artifacts/models

LightGBM_v1Registered on 2023/11/19

MLflow Model

The code snippets below demonstrate how to make predictions using the logged model. This model is also registered to the model registry.

Model schema

Input and output schema for your model. Learn more

Name	Type
No schema. See MLflow docs for how to include input and output schema with your model.	

Make Predictions

Predict on a Spark DataFrame:

```
import mlflow
from pyspark.sql.functions import struct, col
logged_model = 'runs://dde00925a04e46d095b3a2575b1f2434/models'

# Load model as a Spark UDF. Override result_type if the model does not return double values.
loaded_model = mlflow.pyfunc.spark_udf(spark, model_uri=logged_model, result_type='double')

# Predict on a Spark DataFrame.
df.withColumn('predictions', loaded_model(struct(wrap(col, df.columns))))
```

Predict on a Pandas DataFrame:

```
import mlflow
loaded_model = 'runs://dde00925a04e46d095b3a2575b1f2434/models'
```

mlflow2.8.0ExperimentsModels

GitHubDocs

Lead_Scoring_Training_Pipeline >run_LightGB

Run ID: dde00925a04e46d095b3a2575b1f2434Date: 2023-11-19 16:30:36Source: ipykernel_launcher.pyUser: kishoregeorgeDuration: 3.2s

Status: FINISHEDLifecycle Stage: active

> Description Edit

> Datasets

> Parameters (20)

> Metrics (1)

> Tags

> Artifacts

models

- MLmodel
- conda.yaml
- model.pkl
- python_env.yaml
- registered_model_meta
- requirements.txt

Full Path: /Users/kishoregeorge/Development/MLDS/repos/mllops-assignment/Assignment/miruns/1/dde00925a04e46d095b3a2575b1f2434/artifacts/models/MLmodel
Size: 5288
artifact_path: models
flavors:
 python_function:
 env:
 conda: conda.yaml
 virtualenv: python_env.yaml
 loader_module: mlflow.sklearn
 model_path: model.pkl
 predict_fn: predict
 python_version: 3.9.16
 sklearn:
 code: null
 pickled_model: model.pkl
 serialization_format: cloudpickle
 sklearn_version: 1.2.2
mlflow_version: 2.8.0
model_size_bytes: 361835
model_uuid: e692c354363744fb51b8b9e7f7a1f0a
run_id: dde00925a04e46d095b3a2575b1f2434
utc_time_created: '2023-11-19 11:00:36.939720'

ExperimentsLead_scoring_model_experimentation_after_dropping_featuresShare

Search Experiments

Default

- Lead_scoring_model...
- Lead_scoring_model...

Track machine learning training runs in experiments. Learn more

Experiment ID: 2

Description Edit

RefreshCompareDeleteDownload CSVStart TimeAll time

ColumnsOnly show differencesMetrics < 1 and param.model = "tree"SearchFilterClear

Showing 11 matching runs

	Start Time	Duration	Run Name	User	Source	Version	Models	Metrics			Parameters			Tags
								AUC	Accuracy	F1	C	CPU Jobs	Categorical Feat	Source
<input type="checkbox"/>	9 minutes ago		Session Init...	root	ipykernel...	-	-	-	-	-	-	-1	5	setup
<input type="checkbox"/>	2 minutes ago		Light Gradie...	root	ipykernel...	-	sklearn	0.821	0.739	0.762	-	-	-	create_model
<input type="checkbox"/>	2 minutes ago		Naive Bayes	root	ipykernel...	-	sklearn	0.734	0.673	0.725	-	-	-	compare_m...
<input type="checkbox"/>	2 minutes ago		Linear Discrim...	root	ipykernel...	-	sklearn	0.773	0.7	0.727	-	-	-	compare_m...
<input type="checkbox"/>	2 minutes ago		Ridge Classif...	root	ipykernel...	-	sklearn	0	0.7	0.727	-	-	-	compare_m...
<input type="checkbox"/>	2 minutes ago		Logistic Reg...	root	ipykernel...	-	sklearn	0.784	0.71	0.74	1.0	-	-	compare_m...
<input type="checkbox"/>	2 minutes ago		Decision Tre...	root	ipykernel...	-	sklearn	0.817	0.736	0.756	-	-	-	compare_m...
<input type="checkbox"/>	2 minutes ago		Extra Trees C...	root	ipykernel...	-	sklearn	0.816	0.736	0.756	-	-	-	compare_m...
<input type="checkbox"/>	2 minutes ago		Random For...	root	ipykernel...	-	sklearn	0.819	0.737	0.759	-	-	-	compare_m...
<input type="checkbox"/>	2 minutes ago		Light Gradie...	root	ipykernel...	-	sklearn	0.821	0.739	0.762	-	-	-	compare_m...
<input type="checkbox"/>	16 minutes ago		Session Init...	root	ipykernel...	-	-	-	-	-	-	-1	5	setup

Load more

mlflow2.8.0ExperimentsModels

GitHubDocs

Lead_Scoring_Training_Pipeline >run_LightGB

Run ID: dde00925a04e46d095b3a2575b1f2434Date: 2023-11-19 16:30:36Source: ipykernel_launcher.pyUser: kishoregeorgeDuration: 3.2s

Status: FINISHEDLifecycle Stage: active

> Description Edit

after dropping features

> Datasets

> Parameters (20)

> Metrics (1)

> Tags

> Artifacts

models

- MLmodel
- conda.yaml
- model.pkl
- python_env.yaml
- registered_model_meta
- requirements.txt

Full Path: /Users/kishoregeorge/Development/MLDS/repos/mllops-assignment/Assignment/miruns/1/dde00925a04e46d095b3a2575b1f2434/artifacts/models/MLmodel
Size: 5288
artifact_path: models
flavors:
 python_function:
 env:
 conda: conda.yaml
 virtualenv: python_env.yaml
 loader_module: mlflow.sklearn
 model_path: model.pkl
 predict_fn: predict
 python_version: 3.9.16
 sklearn:
 code: null
 pickled_model: model.pkl
 serialization_format: cloudpickle
 sklearn_version: 1.2.2
mlflow_version: 2.8.0
model_size_bytes: 361835
model_uuid: e692c354363744fb51b8b9e7f7a1f0a
run_id: dde00925a04e46d095b3a2575b1f2434
utc_time_created: '2023-11-19 11:00:36.939720'

Registered Models > LightGBM >

Version 1

Registered At: 2023-11-19 16:30:39

Stage: Production

Last Modified: 2023-11-19 17:11:13

Source Run: run_LightGB

> Description Edit

> Tags

Schema

Name	Type
No schema. See MLflow docs for how to include input and output schema with your model.	

Registered Models >

LightGBM

:

Created Time: 2023-11-19 16:30:39

Last Modified: 2023-11-19 17:11:13

> Description Edit

> Tags

VersionsAllActive 1Compare

New model registry UI

Version	Registered at	Created by	Stage	Description
Version 1	2023-11-19 16:30:39		Production	

1

The scheduler does not appear to be running. Last heartbeat was received 14 minutes ago.
The DAGs list may not update, and new tasks will not be scheduled.

Do not use **SQLite** as metadata DB in production – it should only be used for dev/testing. We recommend using Postgres or MySQL. [Click here](#) for more information.

Do not use the `SequentialExecutor` in production. [Click here](#) for more information.

DAGs

[illegible]

The scheduler does not appear to be running. Last heartbeat was received 15 minutes ago.
The DAGs list may not update, and new tasks will not be scheduled.

DAG: Lead_Scoring_Data_Engineering_Pipeline

Schedule: @daily

Next Run: 2023-11-19, 00:00:00

Grid Graph Calendar Task Duration Task Times Landing Times Gantt Details Code Audit Log

19/11/2023, 12:22:37 PM 25 All Run Types All Run States Clear Filters

Press **SHIFT** + **/** for Shortcuts

Auto-refresh

Deferred failed Queued removed restarting running scheduled skipped success up_for_reschedule up_for_retry upstream_failed no_status

Lead_Scoring_Data_Engineering_Pipeline / 2023-11-19, 00:00:00 UTC

Clear Mark state as...

Layout: Left -> Right

building_db checking_raw_data_schema loading_data mapping_city_tier mapping_categorical_vars mapping_interactions checking_model_inputs_schema

building_db checking_raw_data_schema loading_data mapping_city_tier mapping_categorical_vars mapping_interactions checking_model_inputs_schema

building_db checking_raw_data_schema loading_data mapping_city_tier mapping_categorical_vars mapping_interactions checking_model_inputs_schema

