

ML FLOW

MLflow 1.26.1 Experiments Models

Search Experiments

Default

Baseline_model_exp...
Baseline_model_exp...
Lead_scoring_mlflow...

Experiment ID: 0

Description Edit

Refresh Compare Delete Download CSV Start Time All time

Columns Only show differences metrics.rmse < 1 and params.model = "tree" Search Filter Clear

Showing 0 matching runs

	Start Time	Duration	Run Name	User	Source	Version	Models
No runs yet. Learn more about how to create ML model training runs in this experiment.							

MLflow 1.26.1 Experiments Models

Search Experiments

Default
Baseline_model_exp...
Baseline_model_exp...
Lead_scoring_mlflow...

Experiment ID: 3

Description Edit

Refresh Compare Delete Download CSV Start Time All time

Columns Only show differences metrics.rmse < 1 and params.model = "tree" Search Filter Clear

Showing 3 matching runs

	Start Time	Duration	Run Name	User	Source	Version	Models	AUC	False Negative	False Positive	bagging_fraction	bagging_freq
	2 days ago	7.2s	Lead_scoring...	root	airflow	-	LightGBM/3	0.75	3653	8850	0.6	3
	7 days ago	9.1s	Lead_scoring...	root	airflow	-	LightGBM/2	0.748	4020	8414	0.97769422...	7
	7 days ago	9.7s	Lead_scoring...	root	ipykernel...	-	LightGBM/1	0.748	4020	8414	0.97769422...	7

Load more

mlflow1.28.1ExperimentsModels

Lead_scoring_mlflow_production > Lead_scoring_mlflow_production0604_2024_00_00_00

Lead_scoring_mlflow_production0604_2024_00_00_00

Date: 2024-04-06 14:45:37

Duration: 7.2s

Source: airflow

Status: FINISHED

User: root

Lifecycle Stage: active

Description [Edit](#)

Parameters (23)

Metrics (9)

Name	Value
AUC ld	0.75
False Negative ld	3653
False Positive ld	8850
Precision ld	0.738
Recall ld	0.75
True Negative ld	14989
True Positive ld	20301
f1 ld	0.735
test_accuracy ld	0.738

Tags

Name	Value	Actions
No tags found.		

Artifacts

mlflow1.28.1ExperimentsModels

Lead_scoring_mlflow_production > Lead_scoring_mlflow_production0604_2024_00_00_00

Lead_scoring_mlflow_production0604_2024_00_00_00

Date: 2024-04-06 14:45:37

Duration: 7.2s

Source: airflow

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User: root

Lifecycle Stage: active

Description [Edit](#)

Parameters (23)

Metrics (9)

Tags

Name	Value	Actions
No tags found.		

Artifacts

models

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

Full Path: /minurs/3/ca5f35347971408a99b970ebd456af3/artifacts/models

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
logged_model = 'runs:/ca5f35347971408a99b970ebd456af3/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.
columns = list(df.columns)
df.withColumn('predictions', loaded_model(*columns)).collect()
```

Predict on a Pandas DataFrame

```
import mlflow
logged_model = 'runs:/ca5f35347971408a99b970ebd456af3/models'
```

AIRFLOW

Airflow

DAGs

Security

Browse

Admin

Docs

16:55 UTC

UU

Triggered Lead_scoring_training_pipeline, it should start any moment now.

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 **SequentialExecutor** in production. [Click here](#) for more information.

DAGs

All 35Active 3Paused 32

Filter DAGs by tag

Search DAGs

DAG	Owner	Runs	Schedule	Last Run	Next Run	Recent Tasks	Actions	Links
<input checked="" type="checkbox"/> Lead_Scoring_Data_Engineering_Pipeline	airflow	<div><div>5</div><div>1</div></div>	@daily	2024-04-08, 16:55:25	2024-04-08, 00:00:00	<div><div>4</div><div>1</div><div>0</div><div>2</div></div>	<div><div></div><div></div></div>	...
<input checked="" type="checkbox"/> Lead_scoring_inference_pipeline	airflow	<div><div>2</div><div>1</div></div>	@hourly	2024-04-08, 16:55:30	2024-04-08, 16:00:00	<div><div>1</div><div>0</div><div>0</div><div>0</div></div>	<div><div></div><div></div></div>	...
<input checked="" type="checkbox"/> Lead_scoring_training_pipeline	airflow	<div><div>1</div><div>2</div><div>1</div></div>	@monthly	2024-04-08, 16:55:34	2024-04-01, 00:00:00	<div><div>2</div><div>0</div><div>0</div><div>0</div></div>	<div><div></div><div></div></div>	...
<input type="checkbox"/> example_bash_operator	airflow	<div><div>0</div><div>0</div><div>0</div></div>	00:00:00		2024-04-07, 00:00:00	<div><div>0</div><div>0</div><div>0</div><div>0</div></div>	<div><div></div><div></div></div>	...
<input type="checkbox"/> example_branch_datetime_operator	airflow	<div><div>0</div><div>0</div><div>0</div></div>	@daily		2024-04-07, 00:00:00	<div><div>0</div><div>0</div><div>0</div><div>0</div></div>	<div><div></div><div></div></div>	...
<input type="checkbox"/> example_branch_datetime_operator_2	airflow	<div><div>0</div><div>0</div><div>0</div></div>	@daily		2024-04-07, 00:00:00	<div><div>0</div><div>0</div><div>0</div><div>0</div></div>	<div><div></div><div></div></div>	...
<input type="checkbox"/> example_branch_dop_operator_v3	airflow	<div><div>0</div><div>0</div><div>0</div></div>	* * * * *		2024-04-08, 16:54:00	<div><div>0</div><div>0</div><div>0</div><div>0</div></div>	<div><div></div><div></div></div>	...
<input type="checkbox"/> example_branch_labels	airflow	<div><div>0</div><div>0</div><div>0</div></div>	@daily		2024-04-07, 00:00:00	<div><div>0</div><div>0</div><div>0</div><div>0</div></div>	<div><div></div><div></div></div>	...
<input type="checkbox"/> example_branch_operator	airflow	<div><div>0</div><div>0</div><div>0</div></div>	@daily		2024-04-07, 00:00:00	<div><div>0</div><div>0</div><div>0</div><div>0</div></div>	<div><div></div><div></div></div>	...

Airflow

DAGs

Security

Browse

Admin

Docs

16:56 UTC

UU

DAG: Lead_Scoring_Data_Engineering_Pipeline DAG to run data pipeline for lead scoring

Grid

Graph

Calendar

Task Duration

Task Tries

Landing Times

Graph

Details

Code

Audit Log

04/08/2024 04:56:20 PM 25 All Run Types All Run States Clear Filters

Auto-refresh

deferred

failed

queued

running

scheduled

skipped

success

up_for_reschedule

up_for_retry

upstream_failed

no_status

Duration

00:01:37

00:00:48

00:00:50

Per 06:00:00

building_db

checking_raw_data_schema

loading_data

mapping_city_tier

mapping_categorical_vars

mapping_interactions

checking_model_inputs_schema

DAG Details

DAG Runs Summary

Total Runs Displayed9

Total success8

Total running1

First Run Start2024-03-31, 10:32:11 UTC

Last Run Start2024-04-08, 16:55:26 UTC

Max Run Duration00:01:37

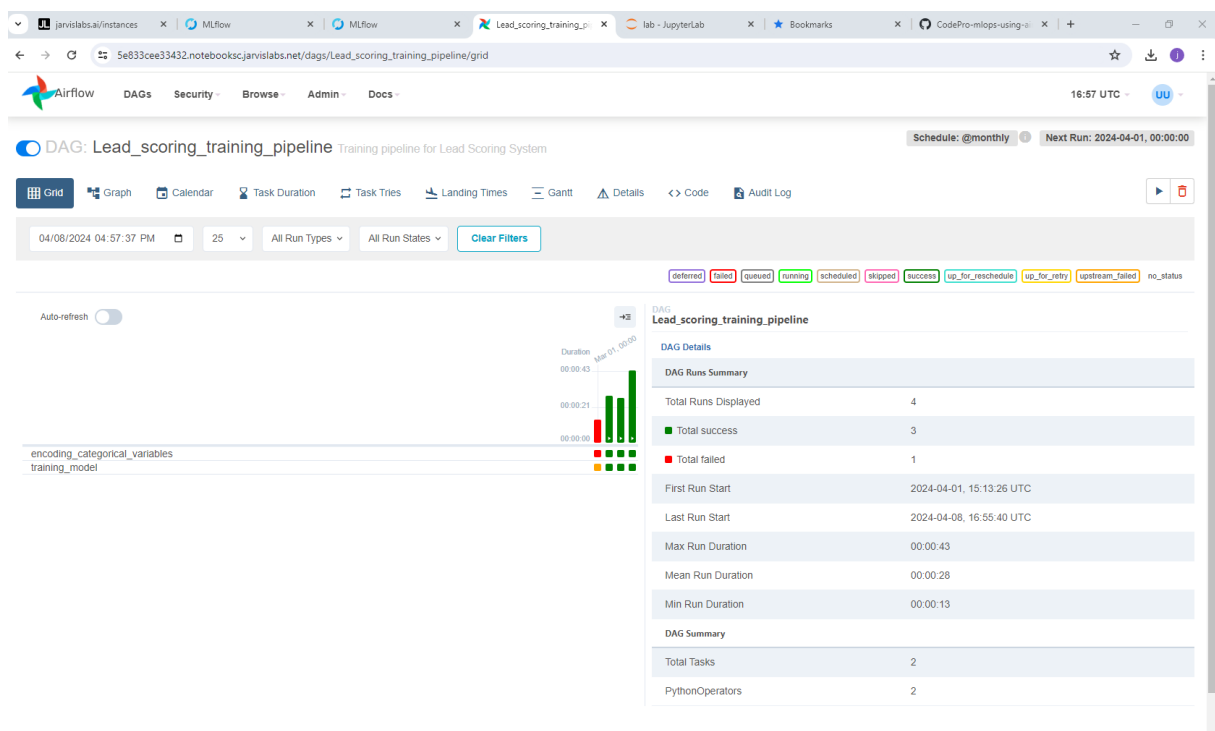
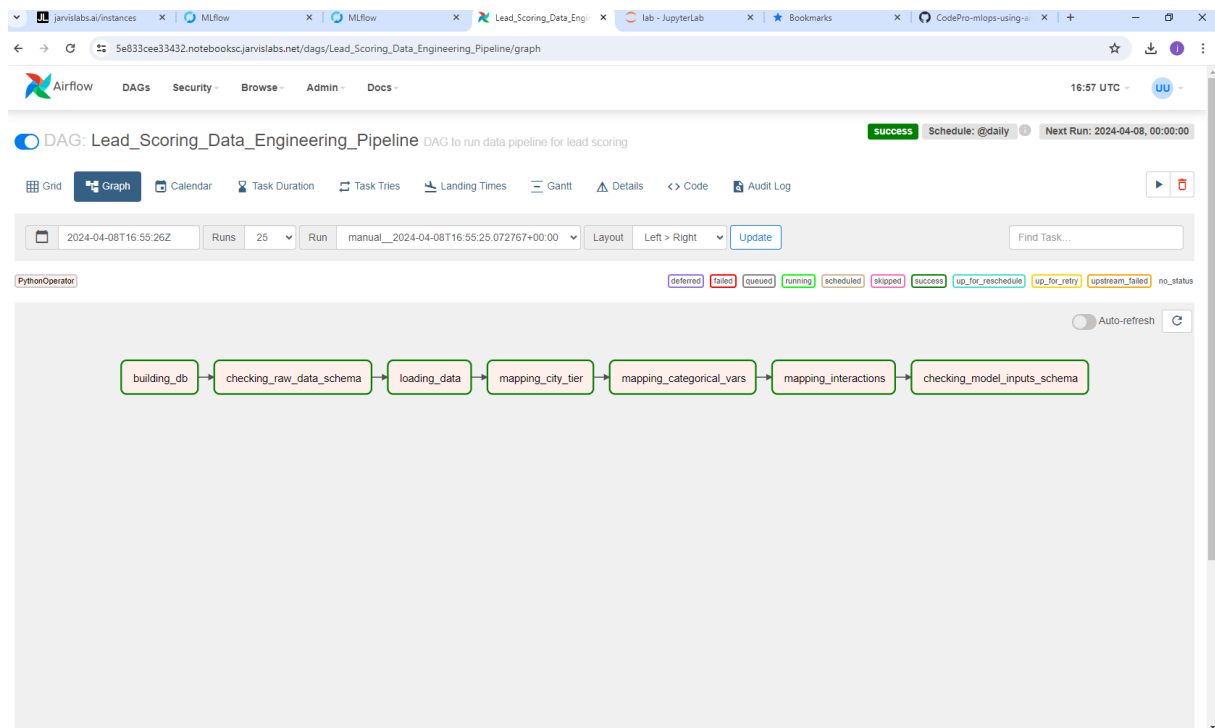
Mean Run Duration00:00:47

Min Run Duration00:00:21

DAG Summary

Total Tasks7

PythonOperators7



5e833cee33432.notebooksc.jarvislabs.net/dags/Lead_scoring_training_pipeline/graph

Airflow DAGs Security Browse Admin Docs 16:58 UTC

DAG: Lead_scoring_training_pipeline Training pipeline for Lead Scoring System success Schedule: @monthly Next Run: 2024-04-01, 00:00:00

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

2024-04-08T16:55:35Z Runs 25 Run manual__2024-04-08T16:55:34.816887+00:00 Layout Left > Right Update Find Task...

PythonOperator

encoding_categorical_variables → training_model

Auto-refresh

5e833cee33432.notebooksc.jarvislabs.net/dags/Lead_scoring_inference_pipeline/grid

Airflow DAGs Security Browse Admin Docs 16:59 UTC

DAG: Lead_scoring_inference_pipeline Inference pipeline of Lead Scoring system Schedule: @hourly Next Run: 2024-04-08, 16:00:00

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

04/08/2024 04:59:19 PM 25 All Run Types All Run States Clear Filters

Auto-refresh

encoding_categorical_variables
generating_models_prediction
checking_model_prediction_ratio
checking_input_features

Duration 00:01:19 Apr 08, 13:00

Lead_scoring_inference_pipeline

DAG Details

DAG Runs Summary

Total Runs Displayed	6
Total success	6
First Run Start	2024-04-06, 13:32:55 UTC
Last Run Start	2024-04-08, 16:55:31 UTC
Max Run Duration	00:01:19
Mean Run Duration	00:00:55
Min Run Duration	00:00:27

DAG Summary

Total Tasks	4
PythonOperators	4

Version: v2.3.3

Browser tabs: jarvislabs.ai/instances, MLflow, MLflow, Lead_scoring_inference..., lab - JupyterLab, Bookmarks, CodePro-mlops-using-...

Address bar: 5e833cee33432.notebooksc.jarvislabs.net/dags/Lead_scoring_inference_pipeline/graph

Airflow DAGs Security Browse Admin Docs 17:00 UTC UU

DAG: Lead_scoring_inference_pipeline Inference pipeline of Lead Scoring system success Schedule: @hourly Next Run: 2024-04-08, 16:00:00

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

2024-04-06T16:55:31Z Runs 25 Run manual__2024-04-06T16:55:30.059374+00:00 Layout Left > Right Update Find Task...

PythonOperator deferred failed queued running scheduled skipped success up_for_reschedule up_for_retry upstream_failed no_status

Auto-refresh

encoding_categorical_variables → generating_models_prediction → checking_model_prediction_ratio → checking_input_features