

Model Experimentation

Base experiment

mlflow1.26.1

ExperimentsModels

GitHubDocs

base_model_experiment_1 > Session Initialized 79be

Session Initialized 79be

Date: 2024-12-21 12:41:11

Source: ipykernel_launcher.py

User: root

Status: UNFINISHED

Lifecycle Stage: active

▶ Description

Edit

▶ Parameters (60)

▶ Metrics

▶ Tags (5)

▼ Artifacts

Test.csv

Train.csv

Transformation Pipeline.pkl

Experiment after dropping features

mlflow1.26.1

ExperimentsModels

GitHubDocs

base_model_experiment_2 > Session Initialized 9d13

Session Initialized 9d13

Date: 2024-12-21 12:53:43

Source: ipykernel_launcher.py

User: root

Status: UNFINISHED

Lifecycle Stage: active

Parent Run: 4335a9e6d9524a36aaebde3c63941c3

▶ Description

Edit

▶ Parameters (60)

▶ Metrics

▶ Tags (5)

▼ Artifacts

Test.csv

Train.csv

Transformation Pipeline.pkl

Models used in experiments

mlflow1.26.1

ExperimentsModels

GitHubDocs

Registered Models

Share and manage machine learning models. Learn more

X

Create Model

Search by model name

Search

Filter

Clear

Name	Latest Version	Staging	Production	Last Modified	Tags
LGBM Tuned	Version 1	-	-	2024-12-21 13:04:35	-
XG Boost	Version 3	Version 2	-	2024-12-21 12:42:26	-

<

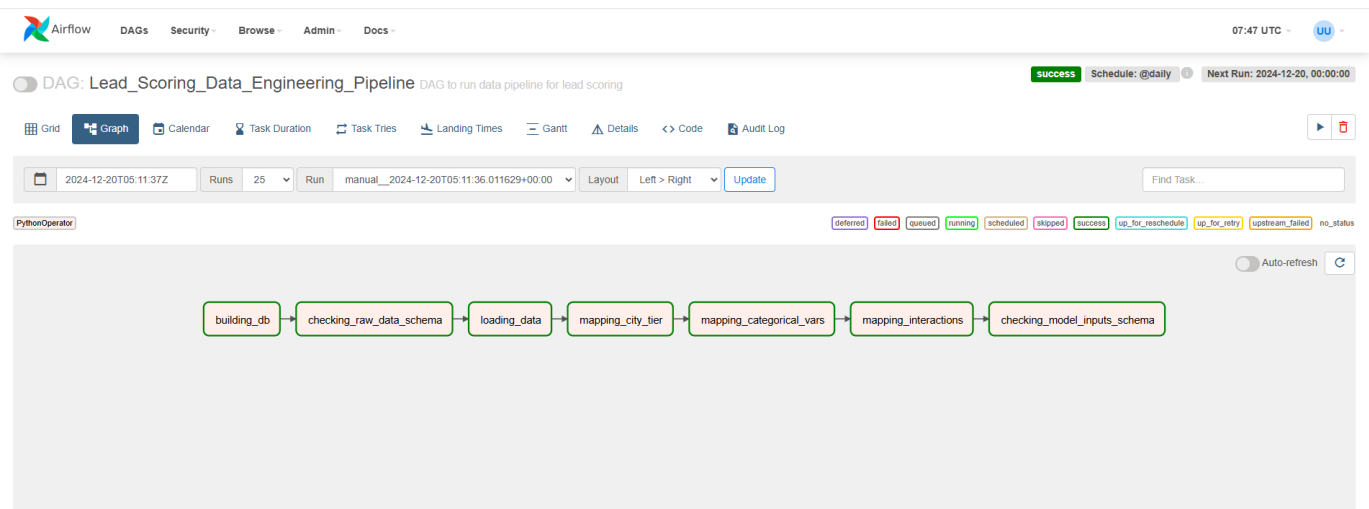
1

>

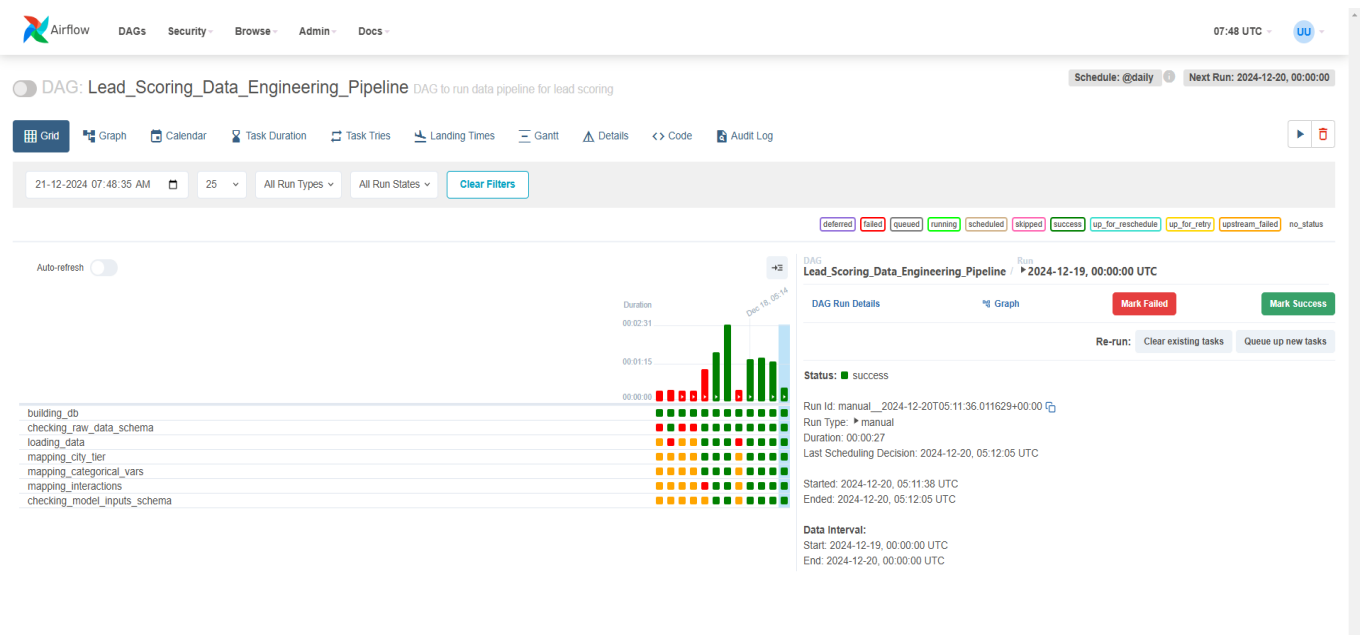
10 / page

Data Pipeline

DAG Graph



UI Grid



Training Pipeline

Experiments in ml-flow

mlflow1.26.1

Experiments

Models

Default > Lead_scoring_mlflow_production

Lead_scoring_mlflow_production

Date: 2024-12-18 10:46:48

Duration: 8.9s

Source: airflow

Status: FINISHED

User: root

Lifecycle Stage: active

Description

Edit

Parameters (24)

Metrics (4)

Tags

Artifacts

models

MLmodel

conda.yaml

model.pkl

python_env.yaml

requirements.txt

Full Path: Assignment/mlruns/0/354d8b5a7bad4594a09673e211e38ac1/artifacts/models

LightGBM, v7Registered on 2024/12/18

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:/354d8b5a7bad4594a09673e211e38ac1/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')
```

Model registry in ml-flow

mlflow1.26.1

Experiments

Models

Registered Models > LightGBM > Version 7

Version 7

Registered At: 2024-12-18 10:46:57

Stage: Production

Last Modified: 2024-12-19 10:03:35

Source Run: Lead_scoring_mlflow_production

Description

Edit

Tags

Schema

DAG Graph

Airflow

DAGs

Security

Browse

Admin

Docs

08:04 UTC

UU

DAG: Lead_scoring_training_pipeline

Training pipeline for Lead Scoring System

success

Schedule: @monthly

Next Run: 2024-12-01, 00:00:00

Grid

Graph

Calendar

Task Duration

Task Times

Landing Times

Gantt

Details

Code

Audit Log

2024-12-20T05:09:37Z

Runs

25

Run

manual__2024-12-20T05:09:36.399316+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

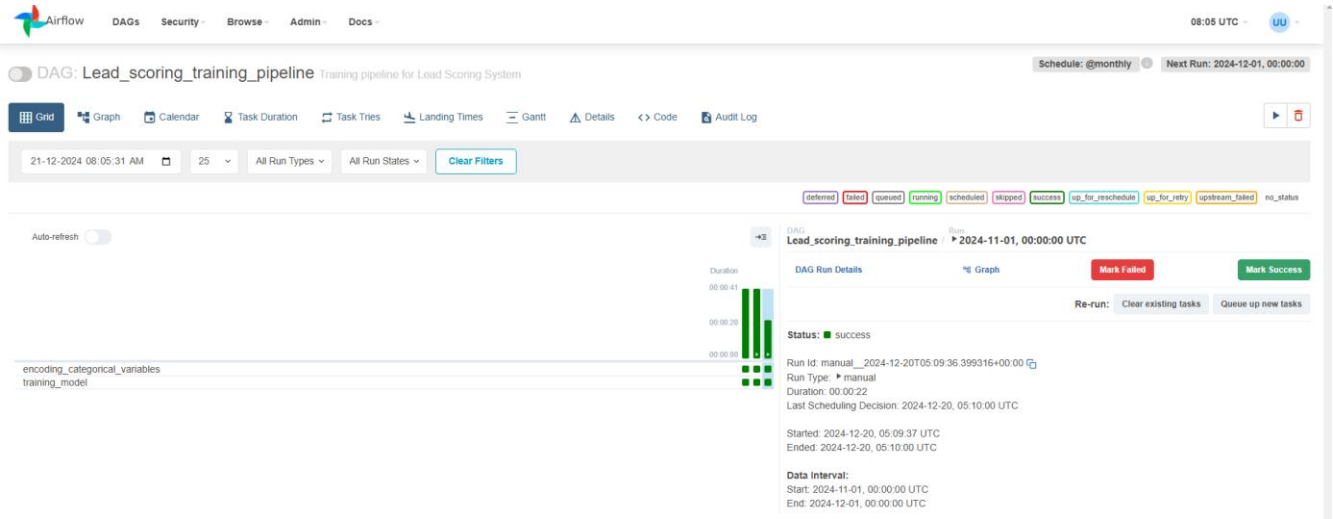
Auto-refresh

refresh

encoding_categorical_variables

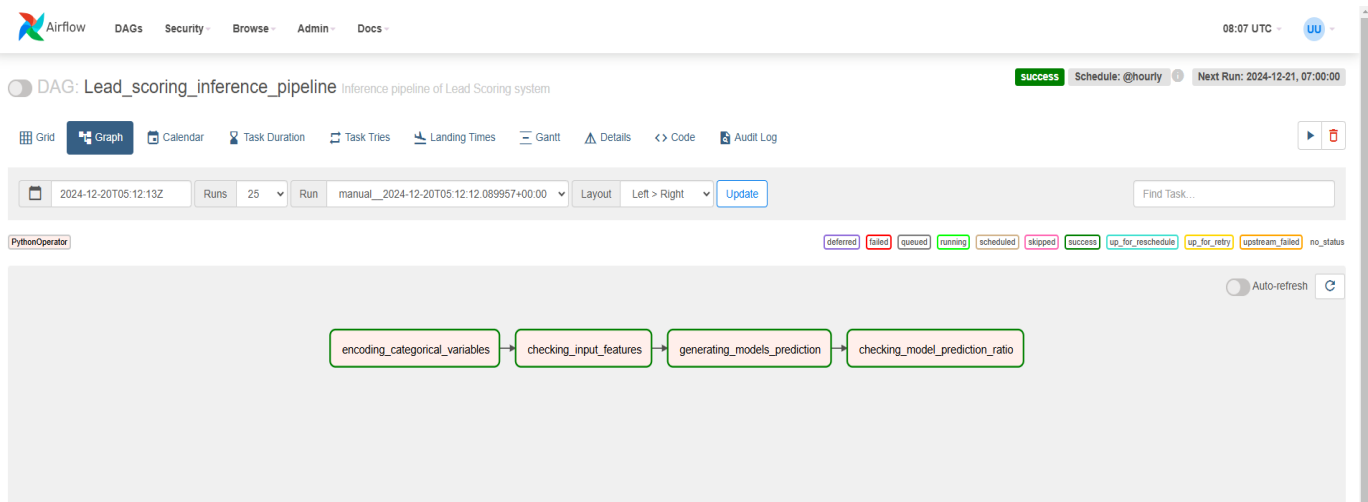
training_model

UI Grid



Inference Pipeline

DAG Graph



UI Grid

