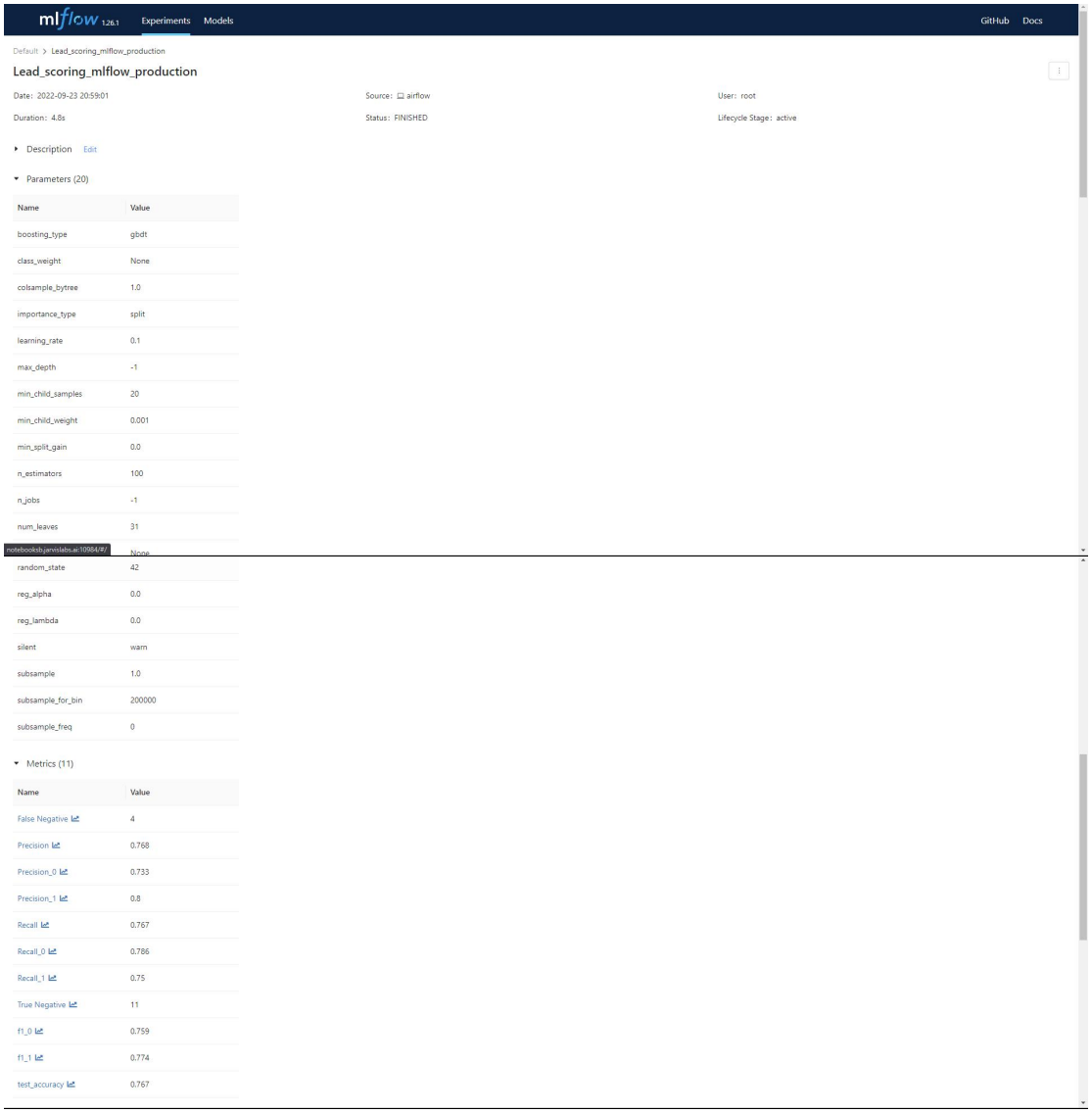
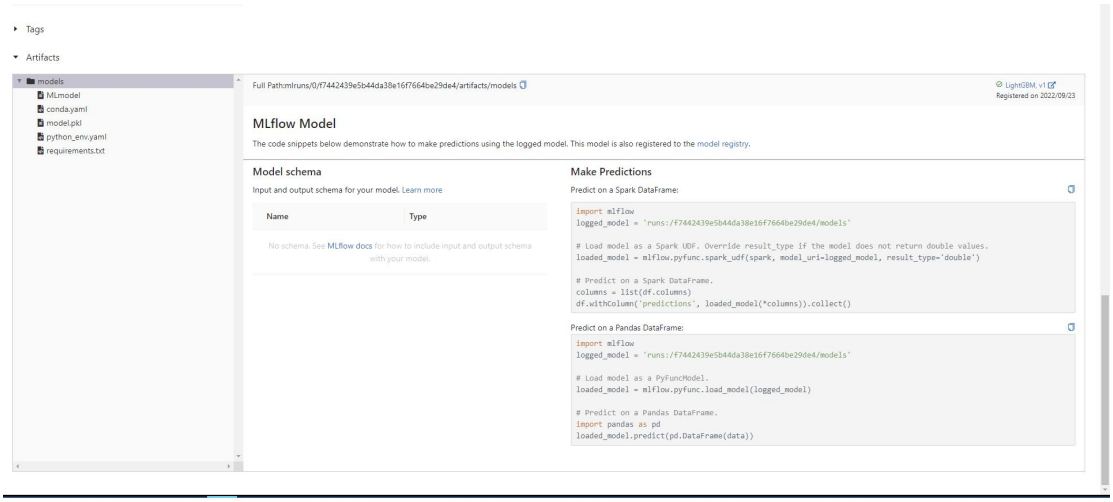
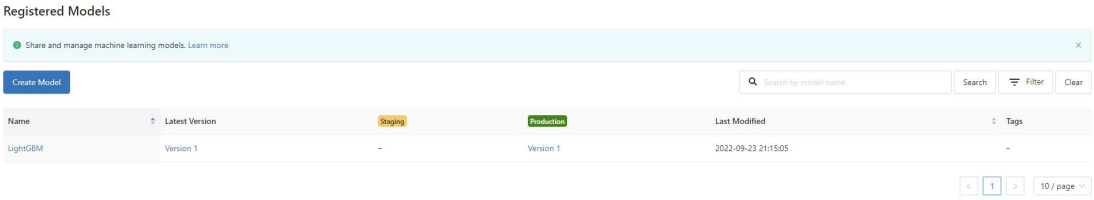
MLFLOW

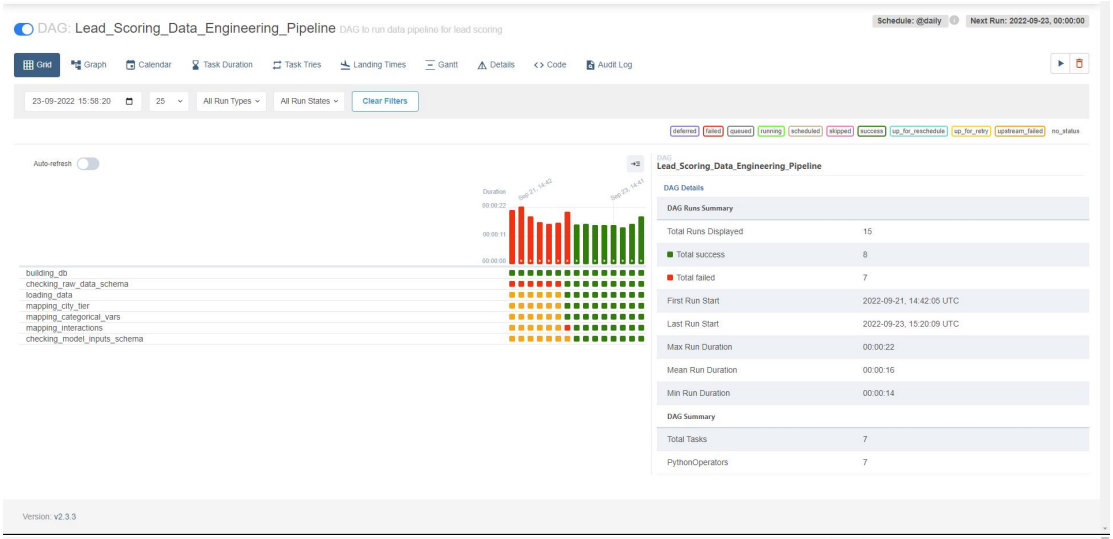

mlflow 1.26.1
Experiments
Models
GitHub
Docs
Default > Lead_scoring_mlflow_production
Lead_scoring_mlflow_production
Date: 2022-09-23 20:59:01
Source: airflow
User: root
Duration: 4.8s
Status: FINISHED
Lifecycle Stage: active
Description Edit
Parameters (20)
Name
Value
boosting_type
gbdt
class_weight
None
colsample_bytree
1.0
importance_type
split
learning_rate
0.1
max_depth
-1
min_child_samples
20
min_child_weight
0.001
min_split_gain
0.0
n_estimators
100
n_jobs
-1
num_leaves
31
random_state
42
reg_alpha
0.0
reg_lambda
0.0
silent
warn
subsample
1.0
subsample_for_bin
200000
subsample_freq
0
Metrics (11)
Name
Value
False Negative
4
Precision
0.768
Precision_0
0.733
Precision_1
0.8
Recall
0.767
Recall_0
0.786
Recall_1
0.75
True Negative
11
f1_0
0.759
f1_1
0.774
test_accuracy
0.767

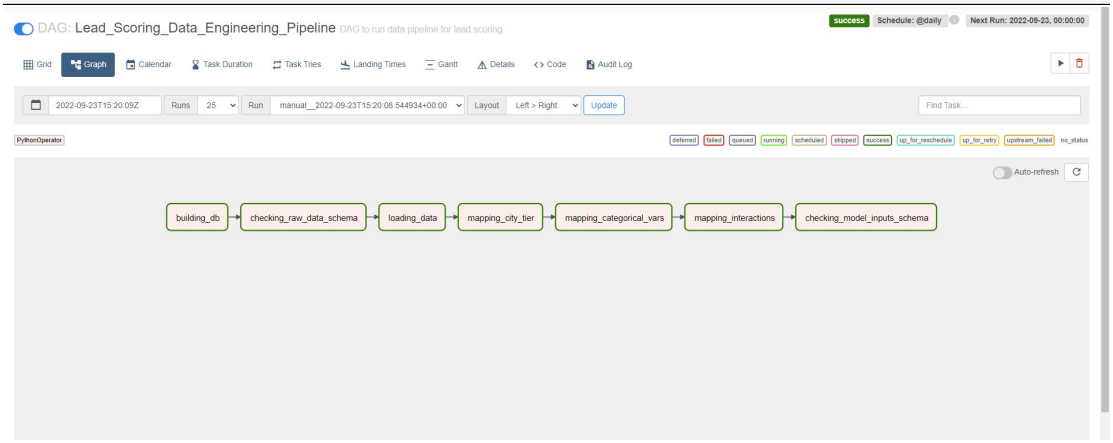

Tags
Artifacts
models
MLmodel
conda.yaml
model.pkl
python_env.yaml
requirements.txt
Full Path:mlruns/0/f7442439e5b44da38e16f7664be29de4/artifacts/models
LightGBM_v1
Registered on 2022/09/23
MLflow Model
The code snippets below demonstrate how to make predictions using the logged model. This model is 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:/f7442439e5b44da38e16f7664be29de4/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:/f7442439e5b44da38e16f7664be29de4/models'
# Load model as a PyFuncModel.
loaded_model = mlflow.pyfunc.load_model(logged_model)
# Predict on a Pandas DataFrame.
import pandas as pd
loaded_model.predict(pd.DataFrame(data))


Registered Models
Share and manage machine learning models. Learn more
Create Model
Search by model name
Search
Filter
Clear
Name
Latest Version
Staging
Production
Last Modified
Tags
LightGBM
Version 1
-
Version 1
2022-09-23 21:15:05
-
1
10 / page

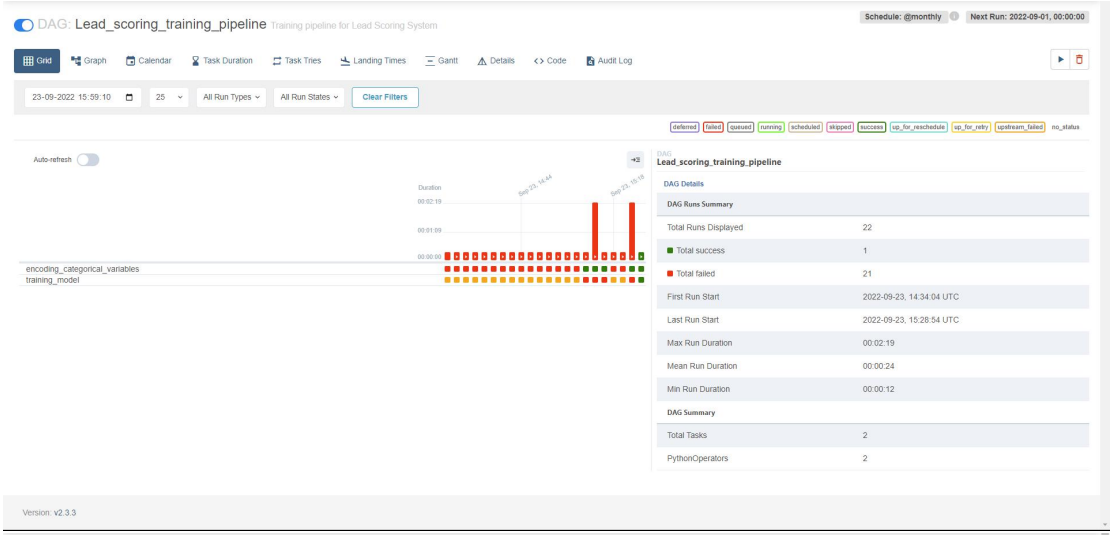
AIRFLOW

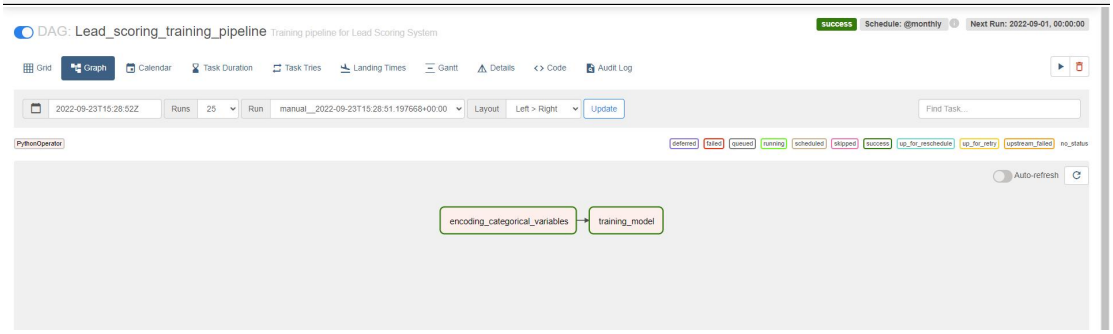
Data Engineering Pipeline





Training Pipeline





Inference Pipeline