

Week 3 Screenshots to be submitted

Screenshot for Assignment 2c

mlflow2.3.2ExperimentsModels

Experiments

Search Experiments

Default

Kubeflow Pipeline test run

mlflow-minio-test

week1-lgbm-bike-demand

Igbm-wine-2

Igbm-wine-2

Provide Feedback

Experiment ID: 6

Artifact Location: s3://mlflow/6

Description

Edit

Table view

Chart view

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

Sort: Created

Columns

Refresh

Time created: All time

State: Active

		Run Name	Created	Duration	Source	Models
		19	47 seconds ago	197ms	ipykern...	-
		18	48 seconds ago	187ms	ipykern...	-
		17	50 seconds ago	238ms	ipykern...	-
		16	51 seconds ago	208ms	ipykern...	-
		15	52 seconds ago	187ms	ipykern...	-
		14	54 seconds ago	227ms	ipykern...	-
		13	55 seconds ago	196ms	ipykern...	-
		12	57 seconds ago	197ms	ipykern...	-
		11	58 seconds ago	179ms	ipykern...	-
		10	1 minute ago	178ms	ipykern...	-
		9	1 minute ago	358ms	ipykern...	-
		8	1 minute ago	227ms	ipykern...	-
		7	1 minute ago	208ms	ipykern...	-
		6	1 minute ago	217ms	ipykern...	-
		5	1 minute ago	199ms	ipykern...	-
		4	1 minute ago	208ms	ipykern...	-
		3	1 minute ago	179ms	ipykern...	-
		2	1 minute ago	217ms	ipykern...	-

20 matching runs

Show more columns
(20 total)

Screenshots for Assignment 3b

mlflow2.3.2ExperimentsModels

Igbm-wine-2

11

Run ID: b20628fa495247ed8ef375eddb38abcb

Date: 2023-11-19 18:58:30

Source: ipykernel_launcher.py

User: user

Duration: 34.0min

Status: FINISHED

Lifecycle Stage: active

Description

Edit

Parameters (5)

Metrics (1)

Tags (12)

Artifacts

model

Full Path: s3://mlflow/6/b20628fa495247ed8ef375eddb38abcb/artifacts/model

MLmodel

conda.yaml

model.pkl

python_env.yaml

requirements.txt

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
------	------

Make Predictions

Predict on a Spark DataFrame:

```
import mlflow
from pyspark.sql.functions import struct, col
logged_model = 'runs:/b20628fa495247ed8ef375eddb38abcb/model'

# 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(*map(col, df.columns))))
```

Predict on a Pandas DataFrame:

```
import mlflow
logged_model = 'runs:/b20628fa495247ed8ef375eddb38abcb/model'

# 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))
```

mlflow2.3.2ExperimentsModels

Registered Models

optuna-lgbm-wine

Version 2

Registered At: 2023-11-19 19:32:33

Stage: None

Last Modified: 2023-11-19 19:32:33

Source Run: 11

Description

Edit

Tags

Schema

Name	Type
------	------

No schema. See [MLflow docs](#) for how to include input and output schema with your model.