heart-disease-prediction ›

logistic_regression

Run ID: 717ff995ff304075b0e6e2ee2c03064e | Date: 2025-12-28 11:55:49 | Source: train.py | Git Commit: 776e910ed2a44a4f67aea2b67c2dede1e95ca54c

User: aashishr | Duration: 3.0s | Status: FINISHED | Lifecycle Stage: active

Description Edit

None

Datasets

Parameters (6)

Name	Value
best_C	0.1
best_class_weight	balanced
best_max_iter	1000
best_penalty	l2
best_solver	liblinear
model_type	LogisticRegression

le:///Users/aashishr/codebase/mlso/mlruns/640360924472580988/717ff995ff304075b0e6e2ee2c03064e/artifacts/...

Metrics (16)

Name	Value
best_cv_score	0.8917497156627592
cv_accuracy	0.8181972789115646
cv_f1	0.8167689286435202
cv_precision	0.8209781037010402
cv_recall	0.8181972789115646
cv_roc_auc	0.900062497888585
test_accuracy	0.8688524590163934
test_f1	0.8689934778776661
test_precision	0.8766252119841718
test_recall	0.8688524590163934
test_roc_auc	0.9567099567099567
train_accuracy	0.8347107438016529
train_f1	0.8338508177323634
train_precision	0.8359004178947874
train_recall	0.8347107438016529
train_roc_auc	0.9171996423904821

Tags

Artifacts

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

Full Path:file:///Users/aashishr/codebase/mlso/mlruns/640360924472580988/717ff995ff304075b0e6e2ee2c03064e/artifacts/...

heart-disease-log..., v1
Registered on 2025/12/28

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

Make Predictions

Predict on a Spark DataFrame:

```
import mlflow
from pyspark.sql.functions import struct, col
logged_model = 'runs:/717ff995ff304075b0e6e2ee2c03064e/model'
```

output schema with your model.

```
# Load model as a Spark UDF. Override result_type if the model does not return dou
ble 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:/717ff995ff304075b0e6e2ee2c03064e/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))
```