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import pandas as pd
from sklearn.model_selection import train_test_split
from sklearn.linear_model import LogisticRegression
from \ sklearn.metrics \ import \ accuracy\_score, \ classification\_report
# Sample dataset
data = {
    'Amount': [100, 2000, 150, 5000, 120, 3000, 80, 6000],
    'User': [1, 2, 1, 3, 2, 3, 1, 2],
    'Fraud': [0, 1, 0, 1, 0, 1, 0, 1]
df = pd.DataFrame(data)
# Features and labels
X = df[['Amount', 'User']]
y = df['Fraud']
# Split data into train and test sets
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.3, random_state=42)
# Build and train model
model = LogisticRegression()
model.fit(X_train, y_train)
# Predict on test data
y_pred = model.predict(X_test)
# Evaluate model
print("Accuracy:", accuracy_score(y_test, y_pred))
print("Report:\n", classification_report(y_test, y_pred))
Report:
                                recall f1-score
                    precision
                                                   support
                0
                        0.50
                                 1.00
                                           0.67
                                                        1
                        1.00
                                 0.50
                                           0.67
                                                        2
                1
                                           0.67
                                                        3
         accuracy
        macro avg
                        0.75
                                 0.75
                                           0.67
                                                        3
     weighted avg
                        0.83
                                 0.67
                                           0.67
                                                        3
```