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from sklearn.datasets import load_iris
from sklearn.model_selection import train_test_split
from sklearn.preprocessing import StandardScaler
from sklearn.neural_network import MLPClassifier
from sklearn.metrics import classification_report, accuracy_score

# Load dataset
iris = load_iris()
X, y = iris.data, iris.target

# Split into train/test sets
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.3,
random_state=42)

# Standardize features
scaler = StandardScaler()
X_train = scaler.fit_transform(X_train)
X_test = scaler.transform(X_test)

# Create ANN with 1 hidden layer (10 neurons), using backpropagation
mlp = MLPClassifier(hidden_layer_sizes=(10,), activation='relu',
solver='adam', max_iter=1000, random_state=1)

# Train model
mlp.fit(X_train, y_train)

# Predict
y_pred = mlp.predict(X_test)

# Evaluation
print("Accuracy:", accuracy_score(y_test, y_pred))
print("\nClassification Report:\n", classification_report(y_test, y_pred,
target_names=iris.target_names))
```