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import numpy as np
import pandas as pd
from sklearn.model_selection import train_test_split
from sklearn.naive_bayes import GaussianNB
from sklearn.metrics import accuracy_score, precision_score, recall_score,
f1_score


# Load Pima Indians Diabetes dataset
diabetes_data = pd.read_csv('/content/diabetes.csv')


# Separate features and target variable
X = diabetes_data.iloc[:, :-1]
y = diabetes_data.iloc[:, -1]


# Split data into train and test sets
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2,
random_state=42)


# Initialize Gaussian Naïve Bayes classifier
nb_classifier = GaussianNB()


# Train the classifier
nb_classifier.fit(X_train, y_train)


# Predictions
y_pred_test = nb_classifier.predict(X_test)


# Evaluation
accuracy_test = accuracy_score(y_test, y_pred_test)
precision_test = precision_score(y_test, y_pred_test)
recall_test = recall_score(y_test, y_pred_test)
f1_test = f1_score(y_test, y_pred_test)
```

```
# Print the evaluation metrics for test data
print("Accuracy:", accuracy_test)
print("Precision:", precision_test)
print("Recall:", recall_test)
print("F1 Score:", f1_test)
```