

```
#Importing the required libraries

from sklearn import datasets

import pandas as pd

from sklearn.linear_model import LogisticRegression
from sklearn.model_selection import train_test_split
from sklearn.metrics import precision_recall_curve
from sklearn.metrics import plot_precision_recall_curve
from sklearn.metrics import precision_score
from sklearn.metrics import recall_score

import matplotlib.pyplot as plt


#Loading the data

data = datasets.load_breast_cancer()

df = pd.DataFrame(data.data, columns=data.feature_names)

df['target'] = data.target


#Splitting the data into training and test set

X_train, X_test, y_train, y_test = train_test_split(
    df.iloc[:, :-1], df.iloc[:, -1], test_size=0.3, random_state=42)


# Initialize and fit the Model

model = LogisticRegression()

model.fit(X_train, y_train)


#Make prediction on the test set

pred = model.predict(X_test)


#calculating precision and recall

precision = precision_score(y_test, pred)
```

```
recall = recall_score(y_test, pred)
```

```
print('Precision: ',precision)
```

```
print('Recall: ',recall)
```

```
#Plotting Precision-Recall Curve
```

```
disp = plot_precision_recall_curve(model, X_test, y_test)
```

Precision: 0.963963963963964

Recall: 0.9907407407407407

