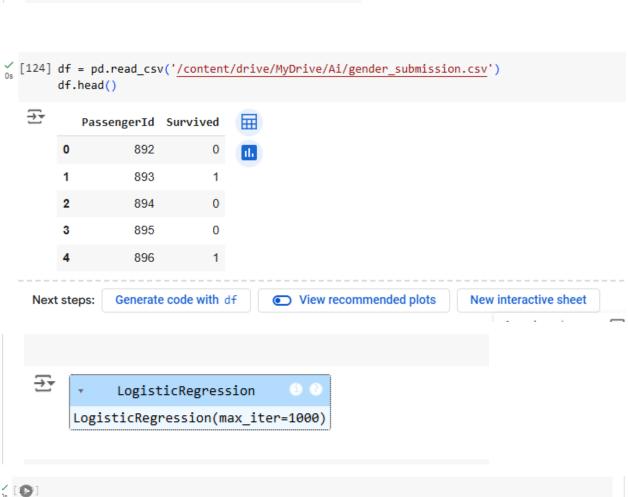
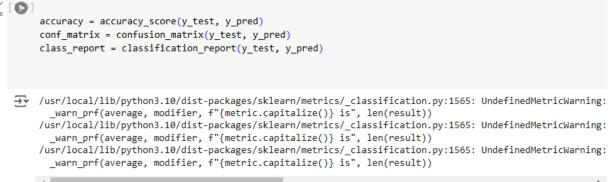
```
√<sub>0s</sub> [113]
         print("Class probabilities for the first 5 samples:", clf.predict proba(X
         Class probabilities for the first 5 samples: [[0. 1. 0.]
          [1. 0. 0.]
          [0. 0. 1.]
          [0. 1. 0.]
          [0. 1. 0.]]
          accuracy = accuracy score(y test, y pred)
          print("Accuracy of the model:", accuracy)
         Accuracy of the model: 1.0
  [115] accuracy_alternative = clf.score(X_test, y_test)
         print("Accuracy of the model (using score method):", accuracy alternative)
    Accuracy of the model (using score method): 1.0
  df = pd.read_csv('/content/drive/MyDrive/Ai/heart.csv')
      df.head()
  ₹
             sex cp trestbps chol fbs restecg thalach exang oldpeak slope ca thal target
         52
                                                             1.0
                        125
                            212
                                               168
                                                                           3
                                                                                  0
          53
              1
                 0
                        140
                             203
                                               155
                                                            3.1
                                                                   0
                                                                           3
                                                                                  0
          70
              1 0
                                                            2.6
                                                                                  0
                        145
                            174
                                               125
                                                                   0
                                                                           3
                                               161
                                                            0.0
                                                                                  0
         61
              1 0
                        148
                            203
                                  0
                                                                   2
                                                                           3
                                                                           2
         62
                        138
                             294
                                               106
                                                             1.9
   Next steps:
             Generate code with df

    View recommended plots

                                                         New interactive sheet
```





print(f"Accuracy: {accuracy}")
print(f"Confusion Matrix:\n{conf\_matrix}")
print(f"Classification Report:\n{class\_report}")

Accuracy: 0.5952380952380952

Confusion Matrix:

[[50 0] [34 0]]

Classification Report:

	precision	recall	f1-score	support
0	0.60	1.00	0.75	50
1	0.00	0.00	0.00	34
accuracy			0.60	84
macro avg	0.30	0.50	0.37	84
weighted avg	0.35	0.60	0.44	84