```
insurance_data.csv
main.py ×
   import pandas as pd
   from matplotlib import pyplot as plt
   from sklearn.model_selection import train_test_split
   from sklearn.linear_model import LogisticRegression
   df = pd.read_csv("insurance_data.csv")
   print(df.head())
   plt.scatter(df.age,df.bought_insurance,marker='+',color='red')
   X_train, X_test, y_train, y_test = train_test_split(df[['age']],df.bought_insurance,train_size=0.8)
   print(X_test)
   ☐rint(y_test)
   model = LogisticRegression()
   model.fit(X_train, y_train)
   y_predicted = model.predict(X_test)
   print(y_predicted)
   print(model.predict_proba(X_test))
   print(model.score(X_test,y_test))
>_ Console ⊕ × W Shell
     Run
                                                          △ Ask AI 11s on 11:55:26, 05/09 ✓
          bought_insurance
0
     22
1
                              0
     25
2
     47
                              1
3
     52
                              0
4
     46
                              1
     age
7
      60
5
      56
3
      52
23
      45
      22
12
      27
[1 1 1 1 0 0]
[[0.03243911 0.96756089]
 [0.05670928 0.94329072]
 [0.09731155 0.90268845]
 [0.23049819 0.76950181]
 [0.89588972 0.10411028]
 [0.80571369 0.19428631]]
0.8333333333333334
```