#logistic regression

import numpy

from sklearn import linear\_model

x=numpy.array([3.78,2.44,2.09,0.14,1.72,1.65,4.92,4.37,4.96,4.52,3.69,5.88]).reshape(-1,1)

y=numpy.array([0,0,0,0,0,0,1,1,1,1,1,1])

logr=linear\_model.LogisticRegression()

logr.fit(x,y)

predicted-logr.predict(numpy.array([2.09]).reshape(-1,1))

print(predicted)