loadDataSet()：加载数据

sigmoid(z):激活函数

grad\_descent(dataMatIn,classLabels):梯度下降函数

plotBestFit(weights,dataMat,labelMat):显示图像函数

预测并将测试集的结果写入CSV格式：

pre = pd.read\_csv('HTRU\_2\_test.csv',header = None)

truex,truey = np.split(pre.values,(1,),axis = 1)#将数据进行纵向切分，将所有数据在第2,3列之间分隔并赋值

prey = ((-weights[0]-weights[1]\*truex)/weights[2])

kong = []

for i in range(700):

if(prey[i] > truey[i]):

kong.append(0)

else:

kong.append(1)

test = pd.DataFrame(data = kong,index = range(1,701),columns=['y'])

test.index.name = 'id'

test.to\_csv('new3.csv')