## Code:

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🕞 109611099_顏彥臣_Ridge_HW4.py - C:\prog\ML\hw4\109611099_hw4\109611099_顏彥臣_Ridge_HW4.py (3.8.3)
                                                                                                                                                   File Edit Format Run Options Window Help
import numpy as np
def Read(indata):
    #init
     recArr = []
clsArr = []
     # since we use append, value must be created in the loop
val=[0.]
size=104
           value=[val]*104
target=[0.]
           datal = datal.replace('[', ''') # remove [
datal = datal.replace(']', ''') # remove ]
strs105 = datal.split() # array of 2 str
           # convert to real
for i in range(104):#0-103 共104各
value[i] = eval(strs105[i])
target[0]=eval(strs105[104])
           #print("row = {}".format(row) + ", {}\n".format(value), end='')
           recArr.append(value) ; # add 1 record at ending clsArr.append(target)
           row = row+1 # total read counter
     # close input file
f.close()
npXY = np.array(recArr)
npXY=npXY.reshape(506,104)
npC = np.array(clsArr)
npC=npC.reshape(506,)
return npXY, npC
#請檔
|- "C-\\xxxa\\M\\\bw4\\bw4 kxatxa xam"
                                                                                                                                                   Ln: 54 Col: 0
```

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File Edit Format Run Options Window Help
               row = row+1 # total read counter
        # close input file
       f.close()
      npXY = np.array(recArr)
npXY=npXY.reshape(506,104)
npC = np.array(clsArr)
npC=npC.reshape(506,)
return mpXY, mpC
#讀檔
f= "C:\\prog\\ML\\hw4\\hw4_boston.csv"
x,y= Read(f)
break
if (trainscore[0]-testscore[0]<0.20) and (trainscore[1]-testscore[1]<0.20) and (trainscore[2]-testscore[2]-
and (trainscore[3]-testscore[3]<0.20) and (trainscore[4]-testscore[4]<0.20):
    print(X_train.shape)
    print(X_test.shape)
    print(Y_Ridge Boston(alpha: {}),fold 0,Train/Test score:{:.2f}/{:.2f}'.format(i,trainscore[0],testscore
    print('Ridge Boston(alpha: {}),fold 1,Train/Test score:{:.2f}/{:.2f}'.format(i,trainscore[1],testscore
    print('Ridge Boston(alpha: {}),fold 2,Train/Test score:{:.2f}/{:.2f}'.format(i,trainscore[2],testscore
    print('Ridge Boston(alpha: {}),fold 3,Train/Test score:{:.2f}/{:.2f}'.format(i,trainscore[3],testscore
    print('Ridge Boston(alpha: {}),fold 4,Train/Test score:{:.2f}/{:.2f}'.format(i,trainscore[4],testscore
    a=np.mean(trainscore)</pre>
                      a=np.mean(trainscore)
                     a-np.mean(textscore)
b=np.mean(textscore)
print("\n")
print("\n")
print('Ridge Boston(alpha: {}),5-fold Train/Test average | score:{:.2f}/{:.2f}'.format(i,a,b))
print("\n")
a=model.score(X_train, y_train)
b=model.score(X_test, y_test)
print('Ridge Boston(alpha: {}),5-fold/verify score:{:.2f}/{:.2f}'.format(i,a,b))
                                                                                                                                                                                               Ln: 83 Col: 69
```

## 結果:

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Tython 3.8.3 Shell

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