import pandas as pd

import numpy as np

xls = pd.ExcelFile('midterm.xlsx')

AGEbiggerthan60 = pd.read\_excel(xls,'Sheet2')

AGESAMLLERthan21 = pd.read\_excel(xls,'Sheet3')

AGEbiggerthan60 = AGEbiggerthan60.drop([0])

AGEbiggerthan60.columns = AGEbiggerthan60.loc[1]

AGEbiggerthan60 = AGEbiggerthan60.drop([1])

AGESAMLLERthan21.columns = AGESAMLLERthan21.loc[0]

AGESAMLLERthan21 = AGESAMLLERthan21.iloc[1:,:]

x\_test = AGESAMLLERthan21.iloc[:,1:12]

y\_test = AGESAMLLERthan21['risk encode'].astype('int')

x = AGEbiggerthan60.loc[:,['Age','job1','job2','job3','rent',\

'free','little','moderate','rich','Credit amount','Duration']]

y = AGEbiggerthan60['risk encode'].astype("int")

#practice logistic

from sklearn.linear\_model import LogisticRegression

from sklearn.model\_selection import cross\_val\_score

#

logreg = LogisticRegression(solver='newton-cg')

logit = logreg.fit(x,y)

logit.coef\_

#cross\_val\_score(logreg,x,y.values.ravel(),cv=5,scoring = 'accuracy').mean()

#AGEbiggerthan60.loc[[]

#test

logit.predict(x\_test)

logit.score(x\_test,y\_test)