from sklearn import preprocessing

from sklearn.preprocessing import MinMaxScaler

#for index

def ComputeVals(row):

return row['violent'] + row['murder']+row['rape'] + row['robbery'] + row['aggrevated\_assault'] + row['property']+row['burglary'] + row['vehicle\_theft']+row['larceny\_theft']

cacounties['crime rate'] = cacounties.apply(ComputeVals, axis=1)

df = cacounties[['county\_name', 'unemployment\_rate', 'median\_household\_income',

'ave\_housingprice', 'grading\_score',

'Percentage of good days', 'crime rate']]

df.set\_index('county\_name', inplace = True)

del df.index.name

scaler = MinMaxScaler()

df\_scaled = pd.DataFrame(scaler.fit\_transform(df), columns=df.columns, index = df.index)

df\_scaled

file\_out1 = 'for index.csv'

df\_scaled.to\_csv(path + file\_out1)