[how to combine two bar chart of two files in one diagram in matplotlib pandas](https://stackoverflow.com/questions/50912819/how-to-combine-two-bar-chart-of-two-files-in-one-diagram-in-matplotlib-pandas)

import pandas as pd

import seaborn as sns

import matplotlib.pyplot as plt

df1=pd.DataFrame({'x':[1,2,3,4,5],'y':[10,2,454,121,34]})

df2=pd.DataFrame({'x':[4,1,2,5,3],'y':[54,12,65,12,8]})

df1['hue']=1

df2['hue']=2

res=pd.concat([df1,df2])

sns.barplot(x='x',y='y',data=res,hue='hue')

plt.show()

1st plot

import xlrd

import numpy as np

import matplotlib.pyplot as plt

import pandas as pd

df1=pd.read\_excel('data1.xlsx')

df2=pd.read\_excel('Book 1.xlsx')

df2['age'].value\_counts()

df1['age'].value\_counts().plot(kind='bar',position=1,width=0.25,label='center 1')

df2['age'].value\_counts().plot(kind='bar',position=0,color='red',width=0.25,label='center 2')

plt.xlabel('age')

plt.ylabel('number of students')

plt.title('age group attending')