#Does attendance affect exam score

#plt.figure(figsize=(10,5))

plt.title('Attendance vs. Average Exam Score')

plt.xlabel('Attendance')

plt.ylabel('Average Exam Score')

ax=df1['Exam\_Score'].groupby(df1['Attendance']).mean()

ax.plot(kind='line', color=sns.color\_palette('Set2'))

#Does sleep hours affect attendance?

#plt.figure(figsize=(10,5))

plt.title('Attendance vs. Sleep Hours')

plt.xlabel('Sleep Hours')

plt.ylabel('Attendance')

ax=df1['Attendance'].groupby(df1['Sleep\_Hours']).mean()

ax.plot(kind='line', color=sns.color\_palette('Set2'))

plt.title('Distance From Home vs. Average Exam Score')

plt.xlabel('Distance from Home')

plt.ylabel('Average Exam Score')

ax=df1['Exam\_Score'].groupby(df1['Distance\_from\_Home']).mean()

ax.plot(kind='bar', color=sns.color\_palette('Set2'))

for index, value in enumerate(ax):

label = f'{value: .2f}'

plt.text(index, value,label,ha='center')

plt.figure(figsize=(10,5))

plt.title('Hours\_Studied vs. Average Exam Score')

plt.xlabel('Hours\_Studied')

plt.ylabel('Average Exam Score')

ax=df1['Exam\_Score'].groupby(df1['Hours\_Studied']).mean()

ax.plot(kind='bar', color=sns.color\_palette('Set2'))

for index, value in enumerate(ax):

label = f'{value: .2f}'

plt.text(index, value,label,ha='center', rotation = 90)