

In [1]: `import pandas as pd`

In [2]: `from matplotlib import pyplot as plt`

In [3]: `assign = pd.read_csv("Desktop\StudentsPerformance.csv")`

In [4]: `assign`

	gender	race/ethnicity	parental level of education	lunch	test preparation course	math score	reading score	writing score
0	female	group B	bachelor's degree	standard	none	72	72	74
1	female	group C	some college	standard	completed	69	90	88
2	female	group B	master's degree	standard	none	90	95	93
3	male	group A	associate's degree	free/reduced	none	47	57	44
4	male	group C	some college	standard	none	76	78	75
...
995	female	group E	master's degree	standard	completed	88	99	95
996	male	group C	high school	free/reduced	none	62	55	55
997	female	group C	high school	free/reduced	completed	59	71	65
998	female	group D	some college	standard	completed	68	78	77
999	female	group D	some college	free/reduced	none	77	86	86

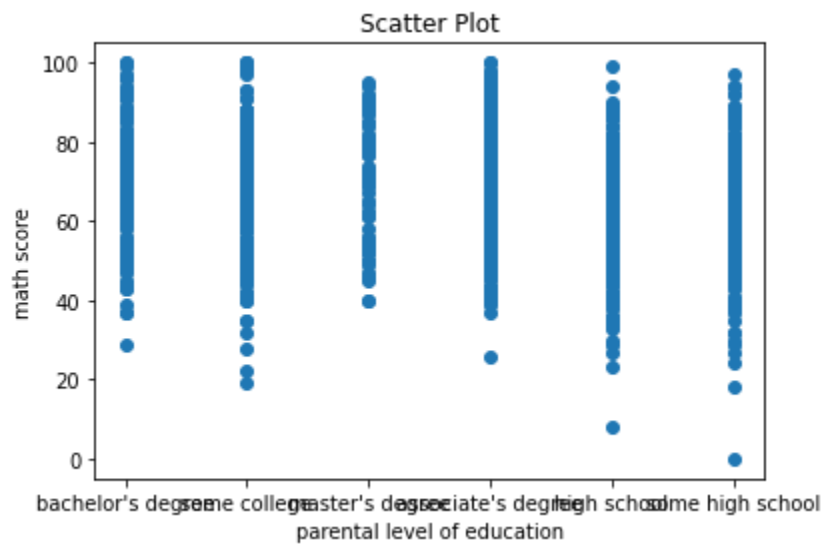
1000 rows × 8 columns

In [5]: `# Scatter plot with parental level of education against math score
plt.scatter(assign['parental level of education'], assign['math score'])

Adding Title to the Plot
plt.title("Scatter Plot")

Setting the X and Y labels
plt.xlabel('parental level of education')
plt.ylabel('math score')

plt.show()`

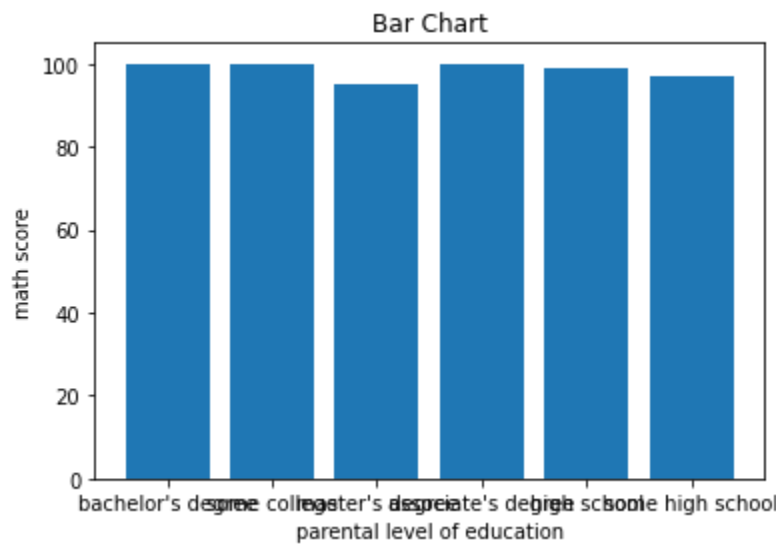


In [15]: `# Bar chart with day against tip
plt.bar(assign['parental level of education'], assign['math score'])

plt.title("Bar Chart")

Setting the X and Y labels
plt.xlabel('parental level of education')
plt.ylabel('math score')

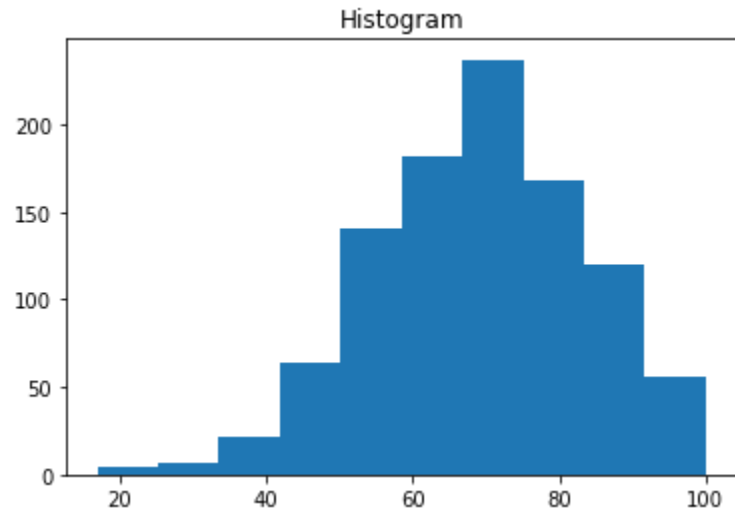
Adding the legends
plt.show()`



In [17]: `# histogram of reading score
plt.hist(assign['reading score'])

plt.title("Histogram")

Adding the legends
plt.show()`

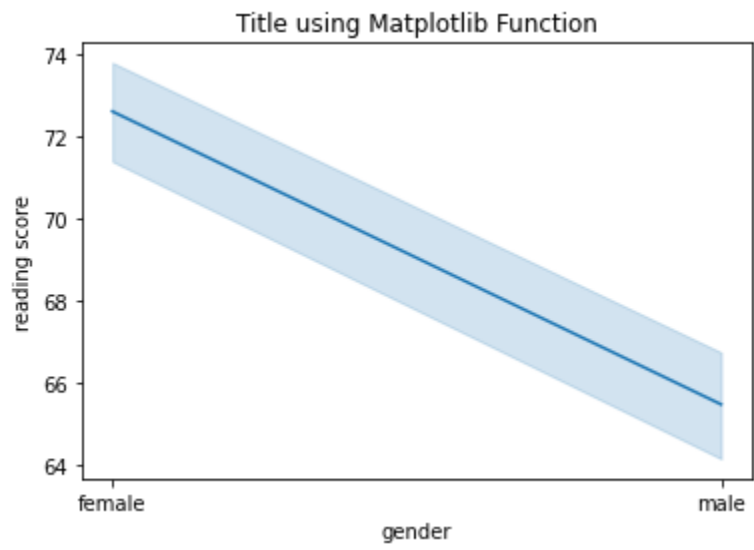


In [18]: `import seaborn as sns`

In [20]: `# draw lineplot
sns.lineplot(x="gender", y="reading score", data=assign)

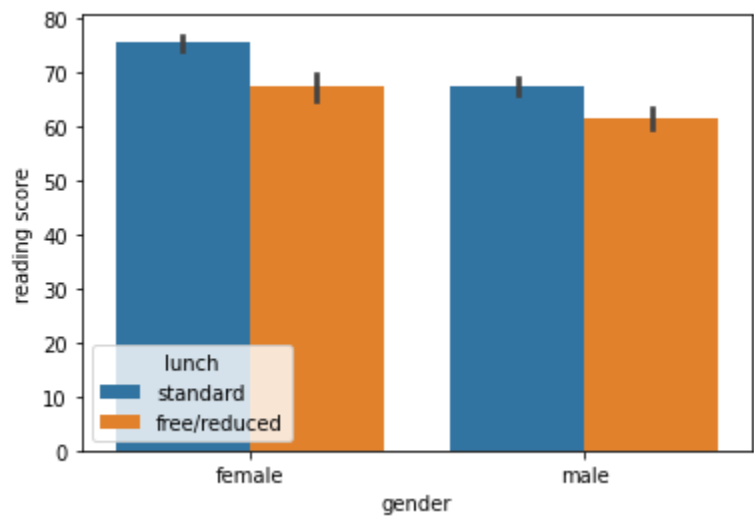
setting the title using Matplotlib
plt.title('Title using Matplotlib Function')

plt.show()`



In [21]: `sns.barplot(x='gender',y='reading score', data=assign,
hue='lunch')

plt.show()`



In []: