

Student Performance Analysis Snips

1.)

First 5 rows of the dataset:

	Unnamed: 0	Gender	EthnicGroup	ParentEduc	LunchType	TestPrep	\
0	0	female	NaN	bachelor's degree	standard	none	
1	1	female	group C	some college	standard	NaN	
2	2	female	group B	master's degree	standard	none	
3	3	male	group A	associate's degree	free/reduced	none	
4	4	male	group C	some college	standard	none	

	ParentMaritalStatus	PracticeSport	IsFirstChild	NrSiblings	TransportMeans	\
0	married	regularly	yes	3.0	school_bus	
1	married	sometimes	yes	0.0	NaN	
2	single	sometimes	yes	4.0	school_bus	
3	married	never	no	1.0	NaN	
4	married	sometimes	yes	0.0	school_bus	

	WklyStudyHours	MathScore	ReadingScore	WritingScore
0	< 5	71	71	74
1	5 - 10	69	90	88

2.)

Descriptive statistics:

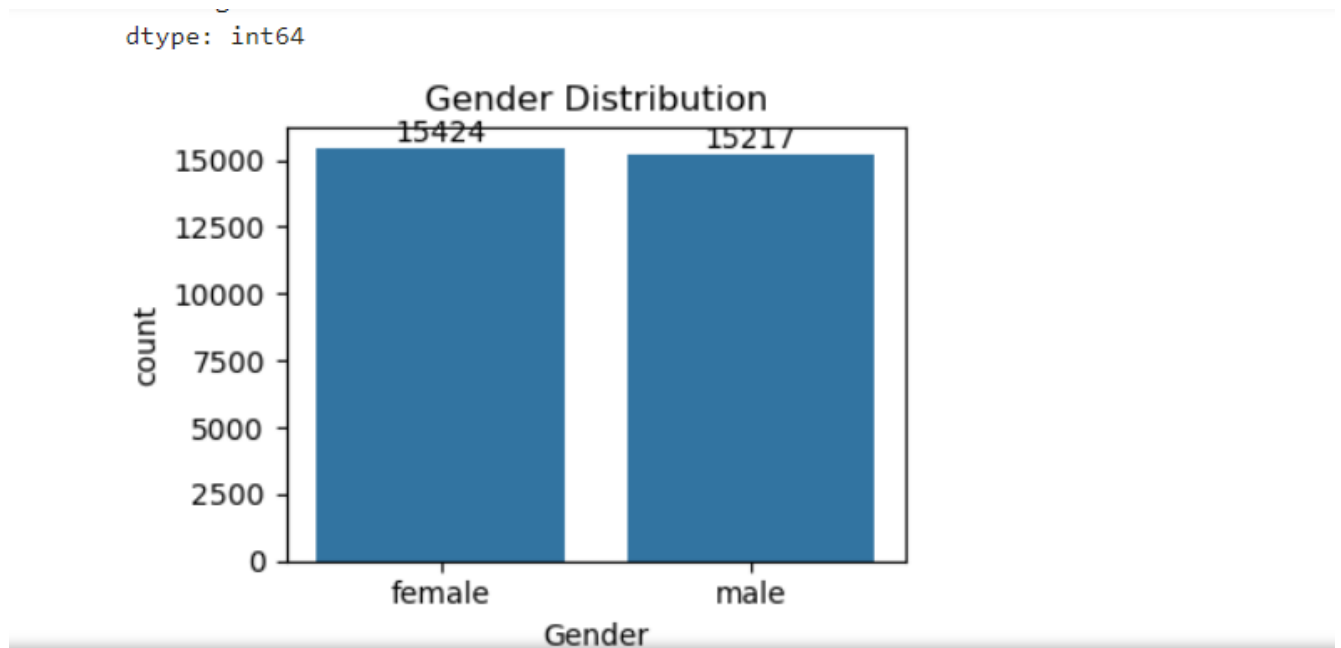
	Unnamed: 0	NrSiblings	MathScore	ReadingScore	WritingScore
count	30641.000000	29069.000000	30641.000000	30641.000000	30641.000000
mean	499.556607	2.145894	66.558402	69.377533	68.418622
std	288.747894	1.458242	15.361616	14.758952	15.443525
min	0.000000	0.000000	0.000000	10.000000	4.000000
25%	249.000000	1.000000	56.000000	59.000000	58.000000
50%	500.000000	2.000000	67.000000	70.000000	69.000000
75%	750.000000	3.000000	78.000000	80.000000	79.000000
max	999.000000	7.000000	100.000000	100.000000	100.000000

Dataset info:

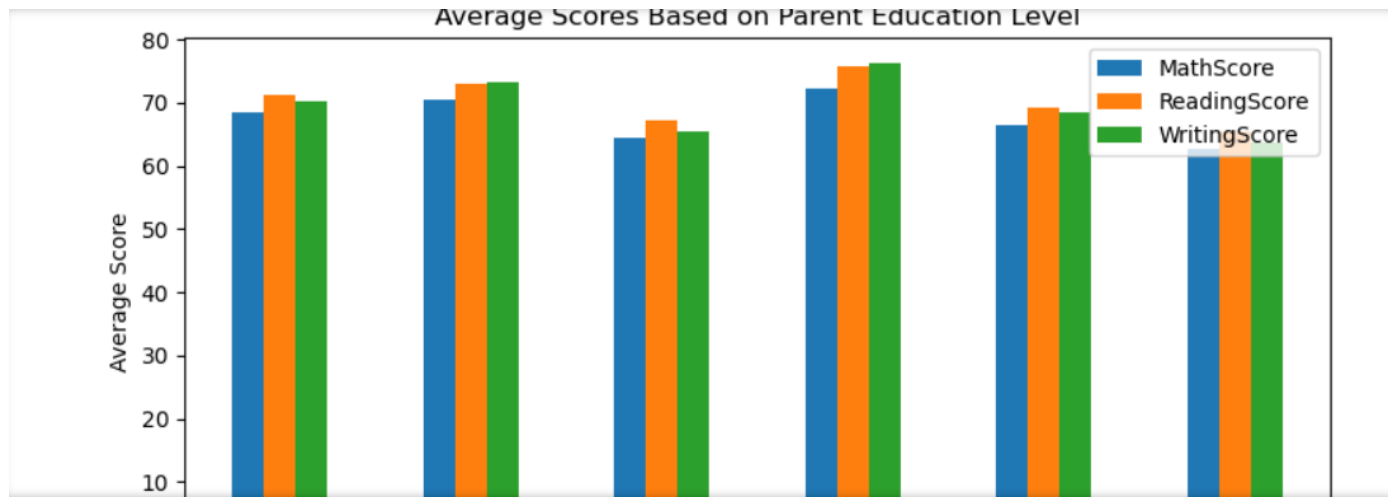
```

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 30641 entries, 0 to 30640
Data columns (total 15 columns):
#   Column                Non-Null Count  Dtype
---  -
0   Unnamed: 0            30641 non-null  int64
    
```

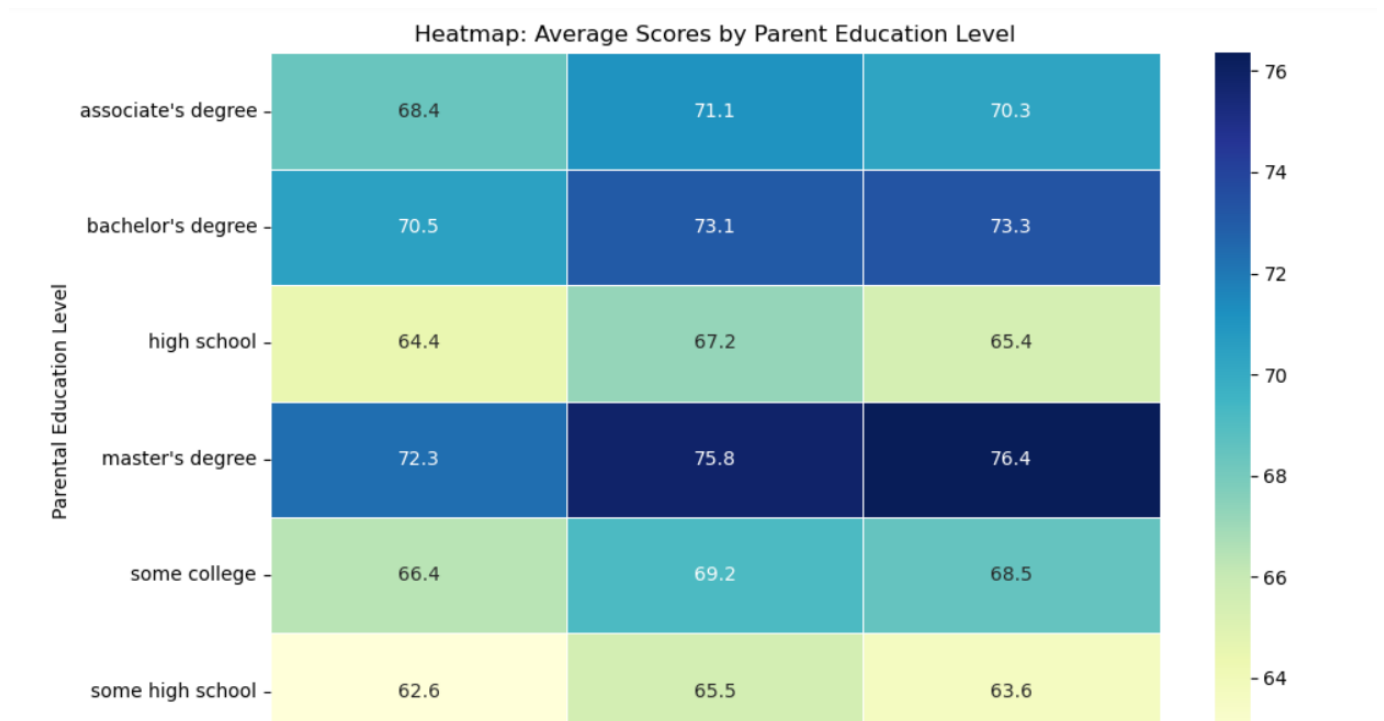
3.)



4.)

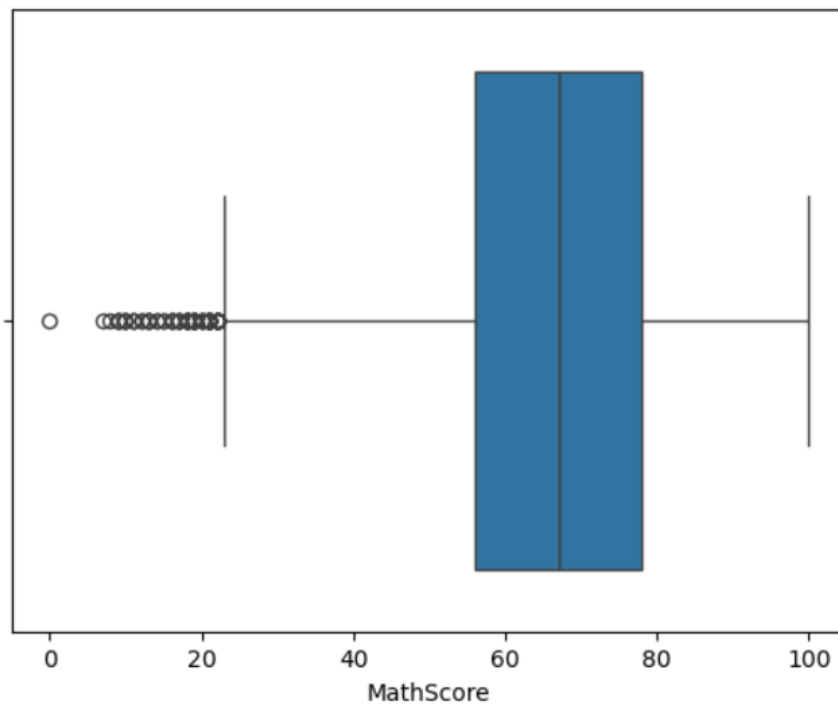


5.)



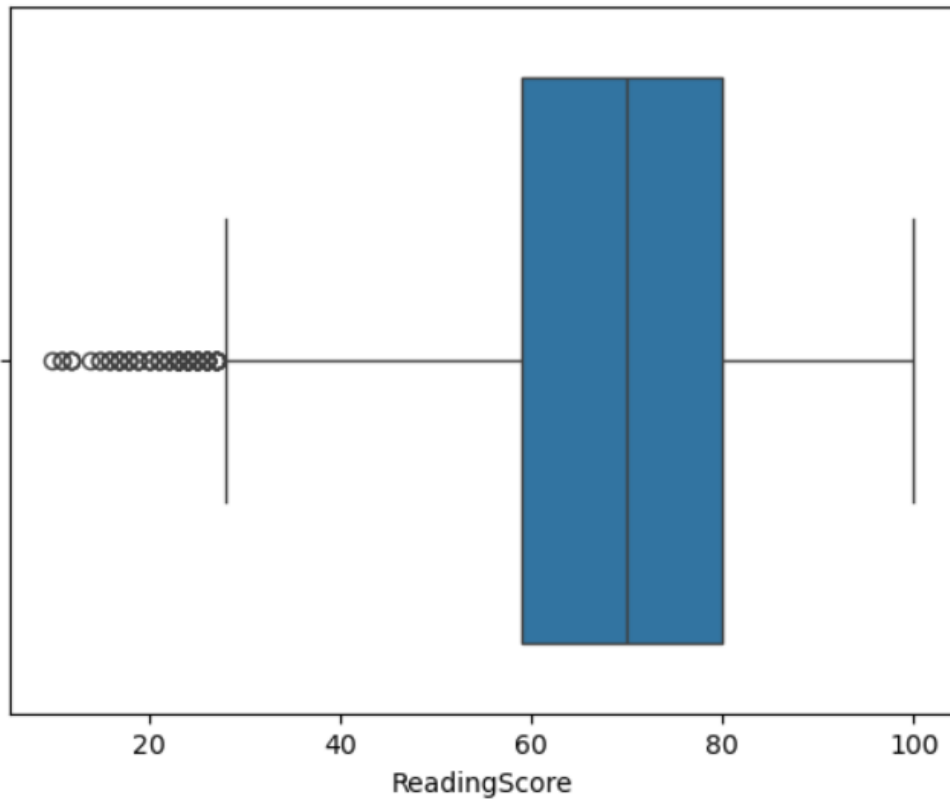
6.)

```
[4]: sns.boxplot(data=df, x="MathScore")  
plt.show()
```

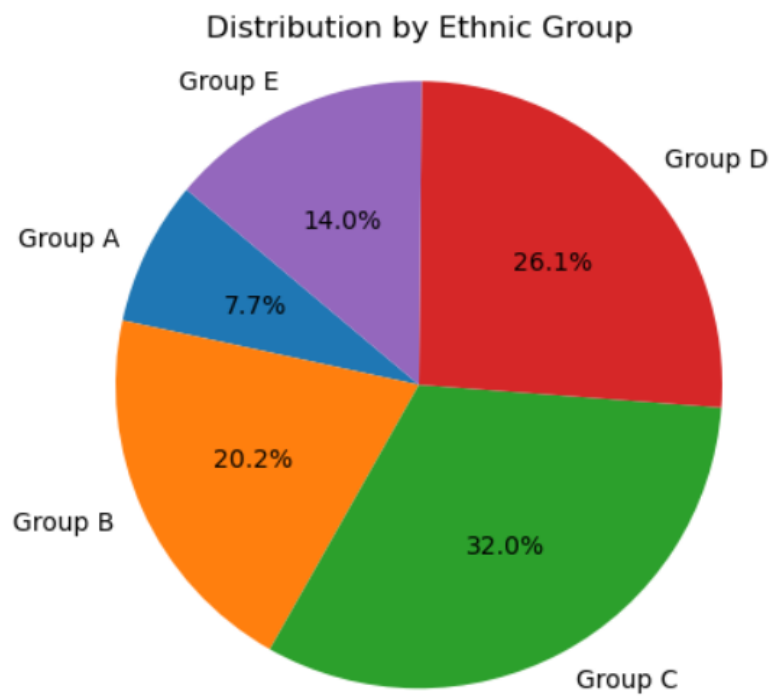


7.)

```
[5]: sns.boxplot(data=df, x="ReadingScore")  
plt.show()
```



8.)



9.)

