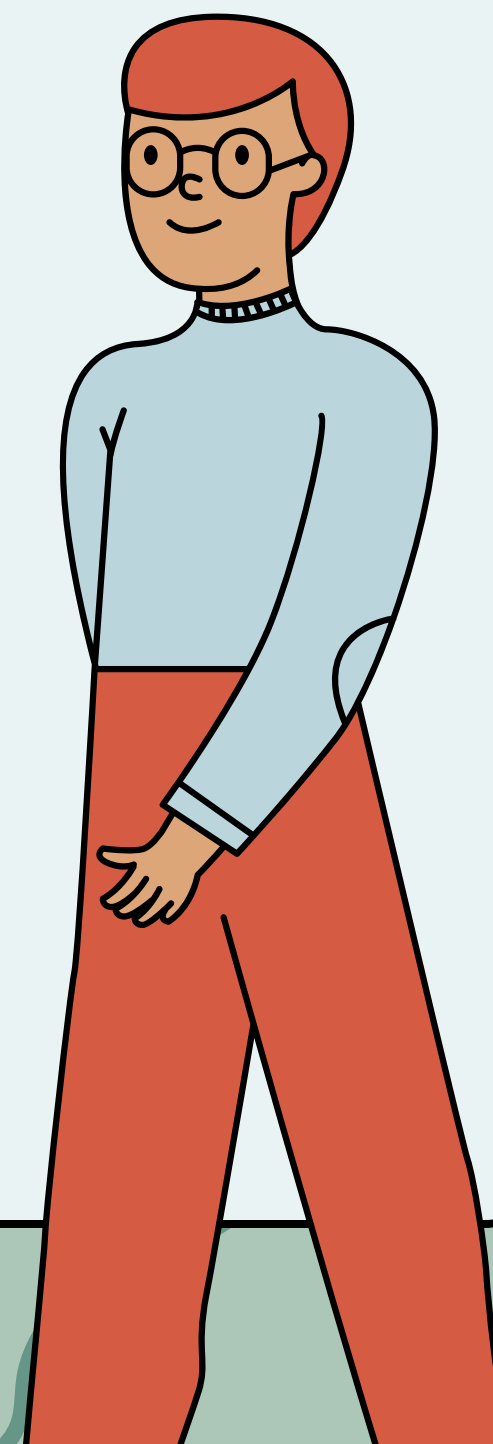


STUDENTS TEST SCORE

Datasets

Prepared by:
Khafuq Altheyab
Raghad Alkassar



INTRODUCTION

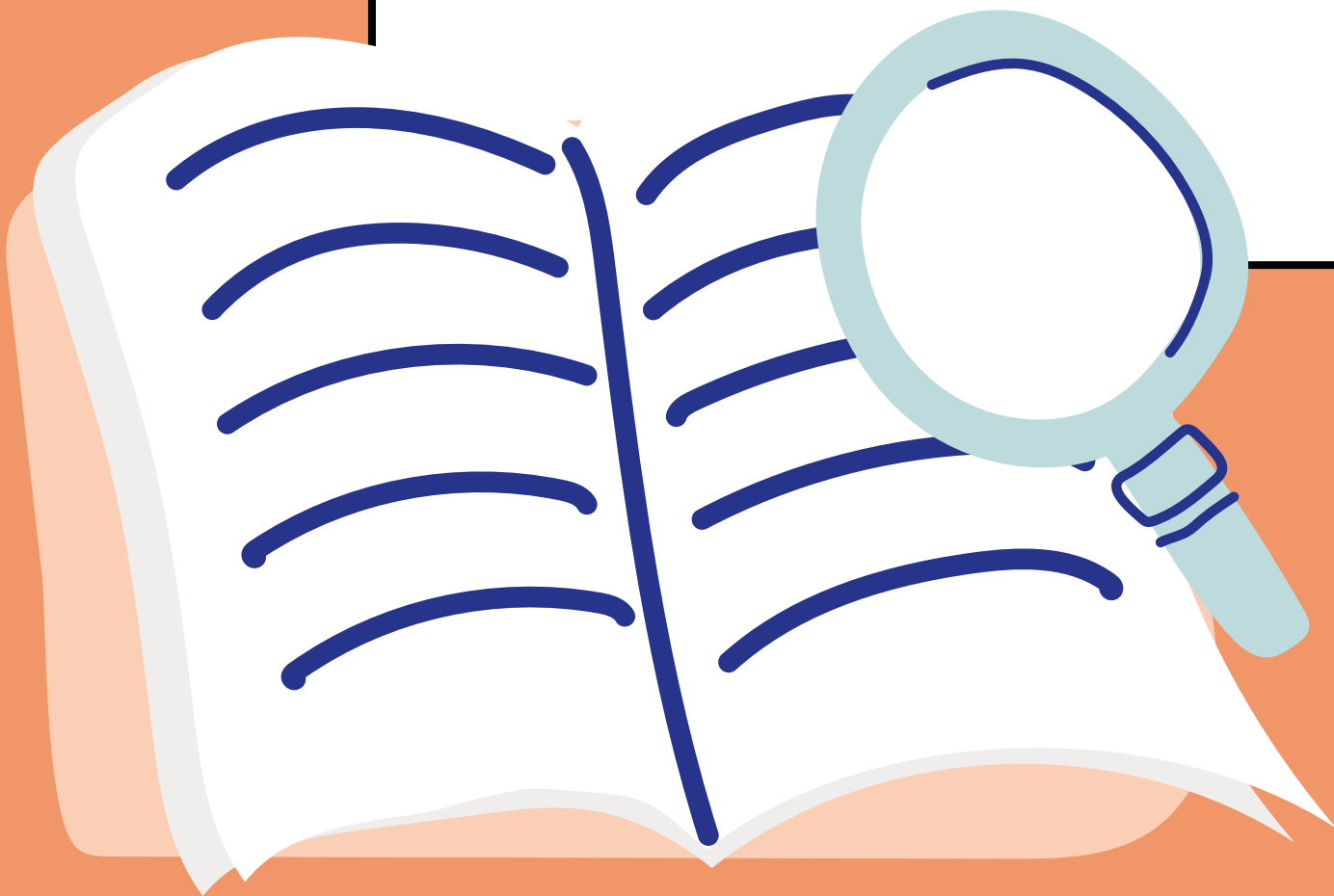
The "Students Test Score" dataset is a comprehensive collection of information regarding the academic performance of students across various demographic and socio-economic factors. This dataset, available on Kaggle, offers valuable insights into how different factors influence students' test scores in math, reading, and writing.



DATASET OVERVIEW

Dataset Contains:

- [30641] rows
- [14] columns



OBJECTIVE

The primary objective of analyzing this dataset is to gain insights into the factors that influence students' academic performance. By exploring correlations and patterns within the data, we aim to understand how variables such as gender, ethnicity, parental education, lunch type, and test preparation impact students' test scores in math, reading, and writing.



DATA EXPLORATION

```
[13] df.head(10)
```

	Gender	EthnicGroup	ParentEduc	LunchType	TestPrep	ParentMaritalStatus	PracticeSport	IsFirstChild	NrSiblings	TransportMeans	WklyStudyHours	MathScore
0	female	NaN	bachelor's degree	standard	none	married	regularly	yes	3.0	school_bus	< 5	
1	female	group C	some college	standard	NaN	married	sometimes	yes	0.0	NaN	5 - 10	
2	female	group B	master's degree	standard	none	single	sometimes	yes	4.0	school_bus	< 5	
3	male	group A	associate's degree	free/reduced	none	married	never	no	1.0	NaN	5 - 10	
4	male	group C	some college	standard	none	married	sometimes	yes	0.0	school_bus	5 - 10	
5	female	group B	associate's degree	standard	none	married	regularly	yes	1.0	school_bus	5 - 10	
6	female	group B	some college	standard	completed	widowed	never	no	1.0	private	5 - 10	
7	male	group B	some college	free/reduced	none	married	sometimes	yes	1.0	private	> 10	
8	male	group D	high school	free/reduced	completed	single	sometimes	no	3.0	private	> 10	
9	female	group B	high school	free/reduced	none	married	regularly	yes	NaN	private	< 5	

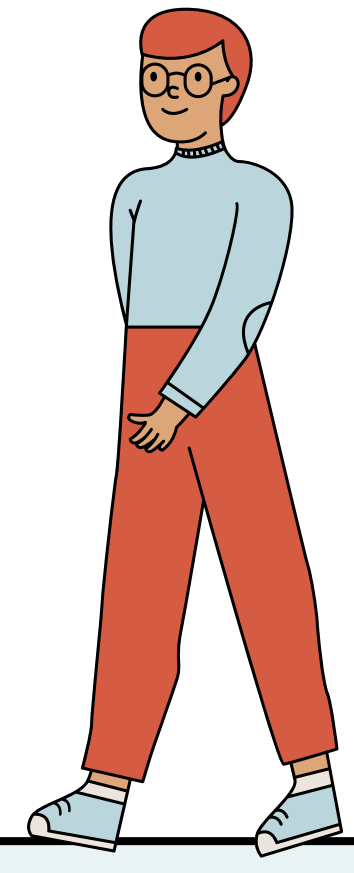
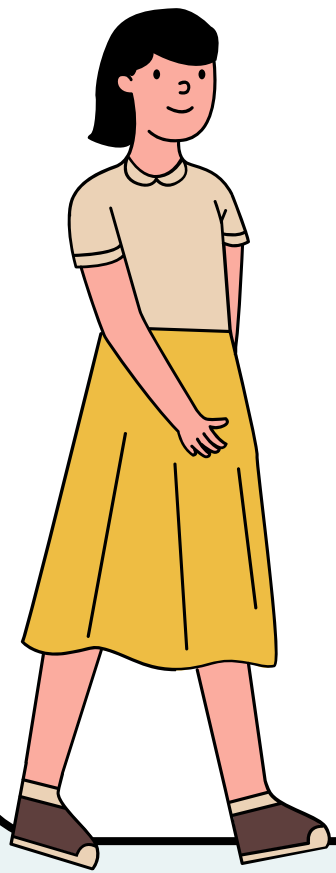
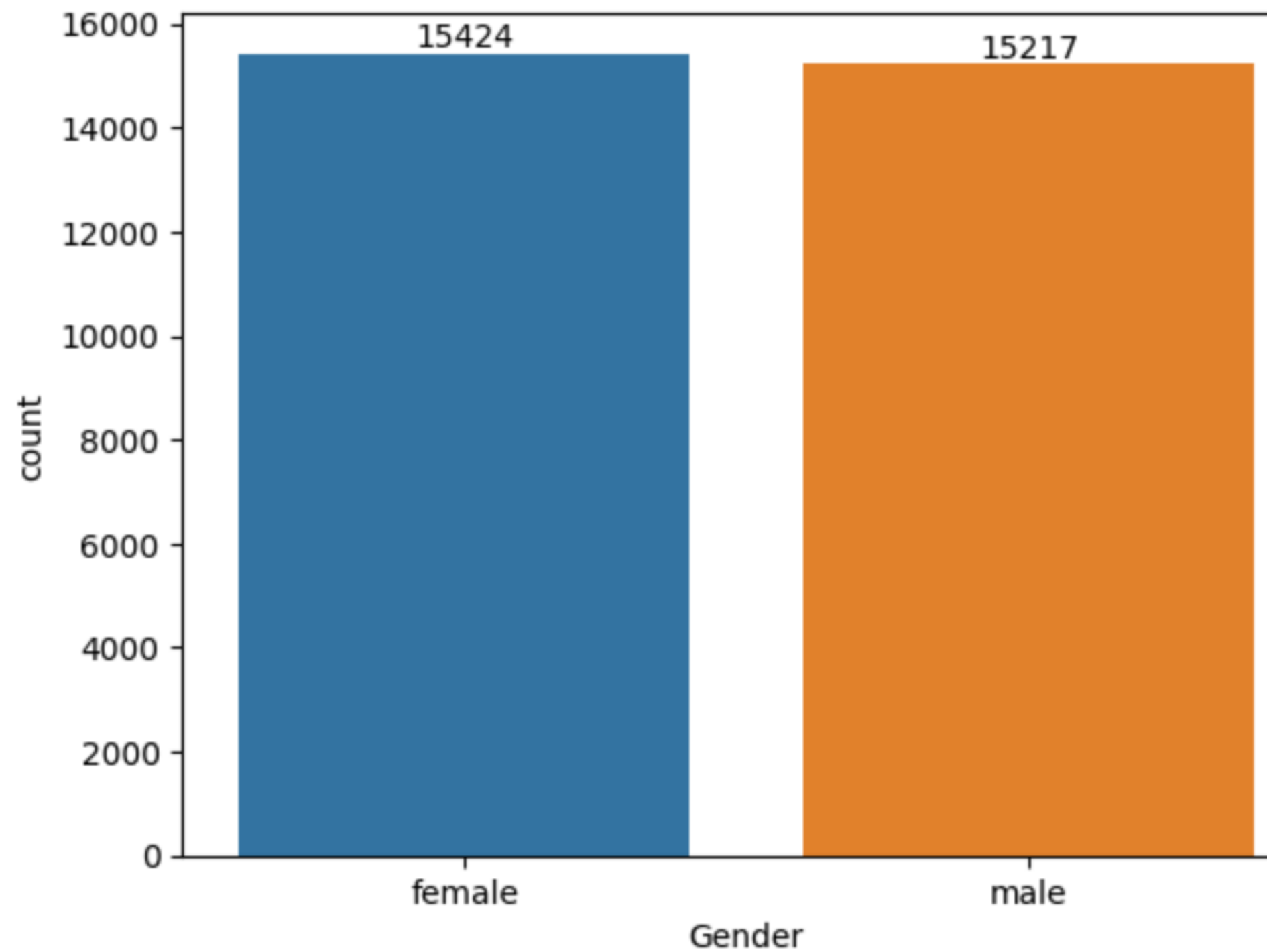


VISUALIZATION

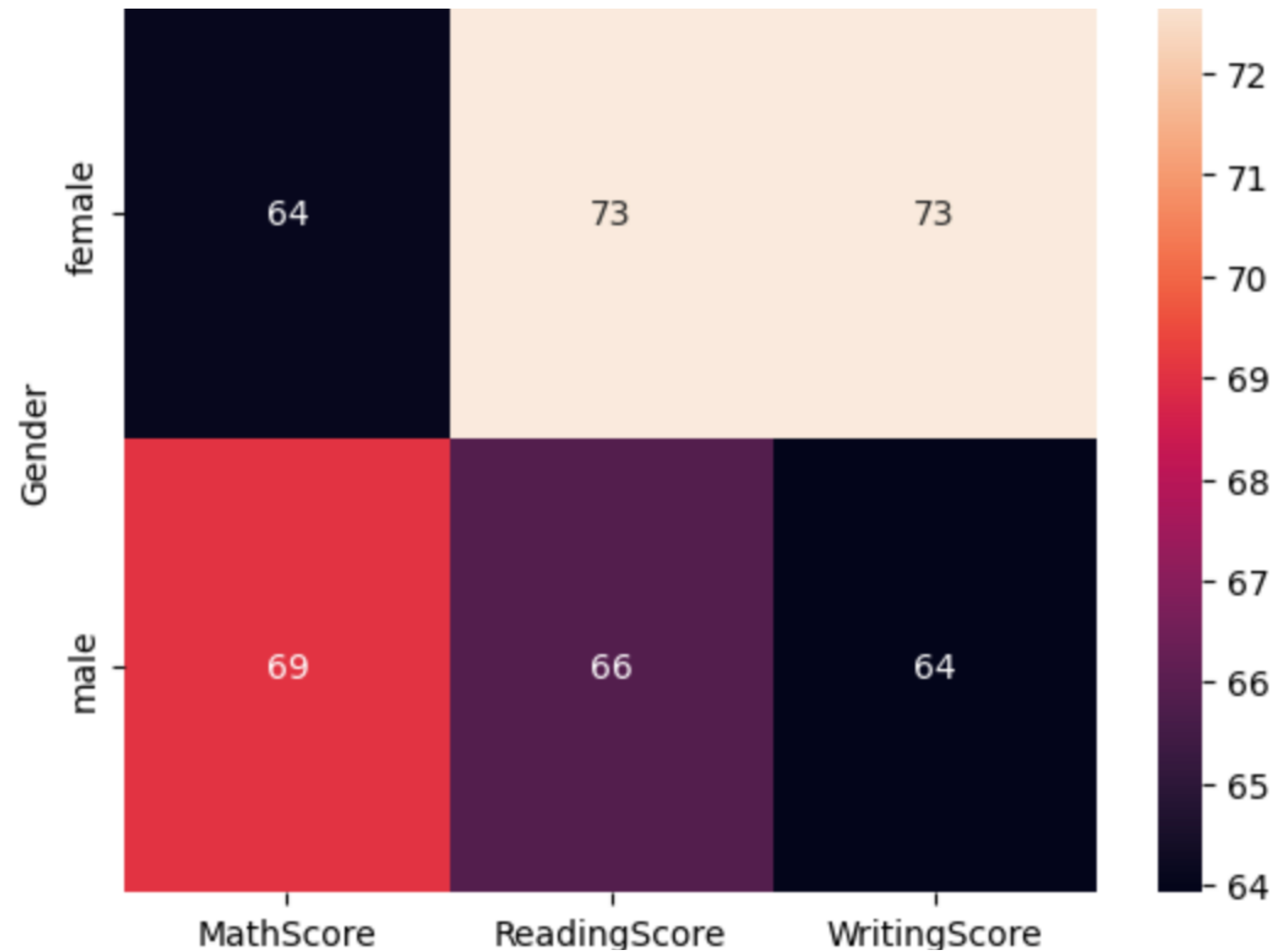


GENDER

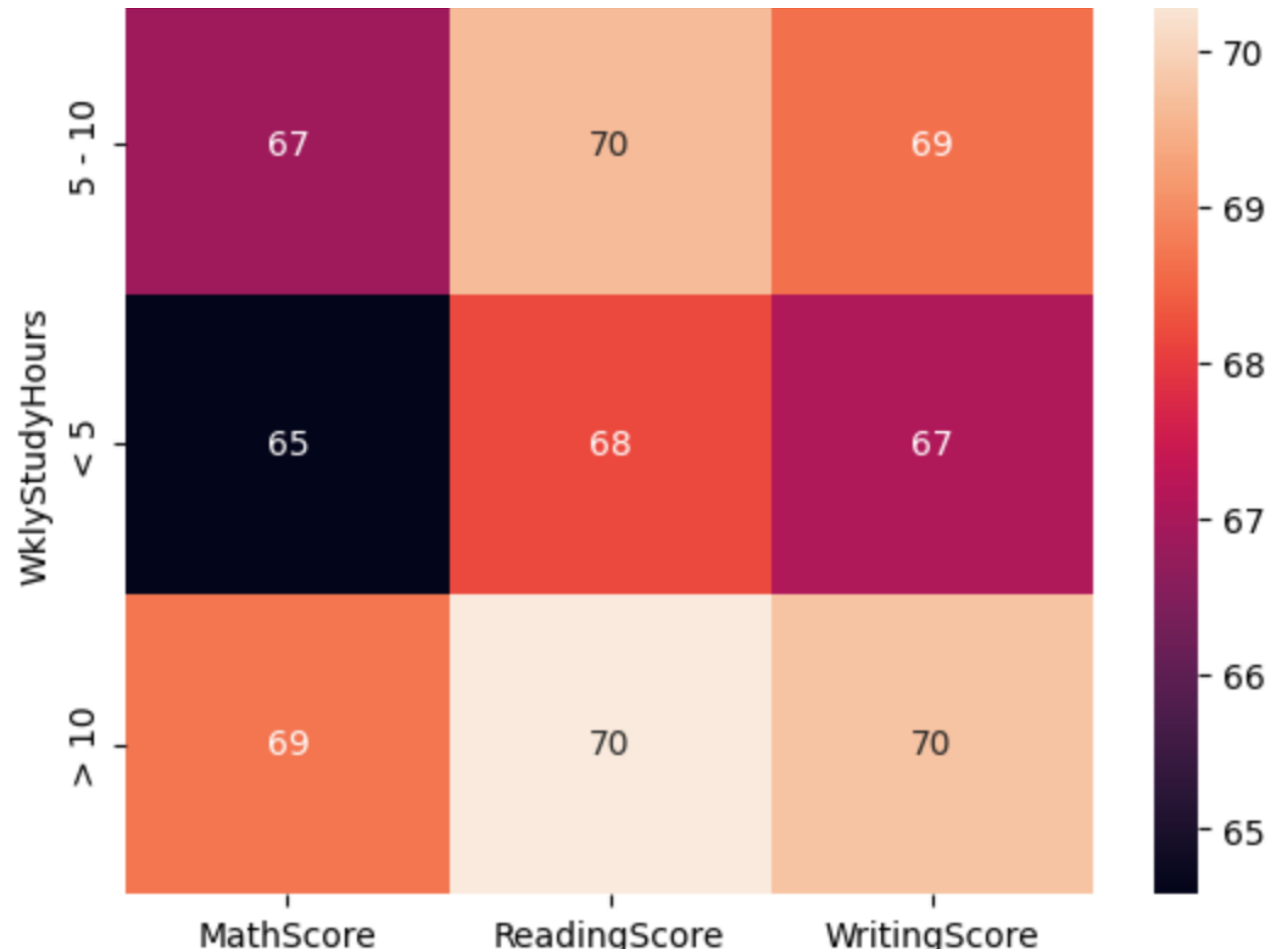
Gender Distribution



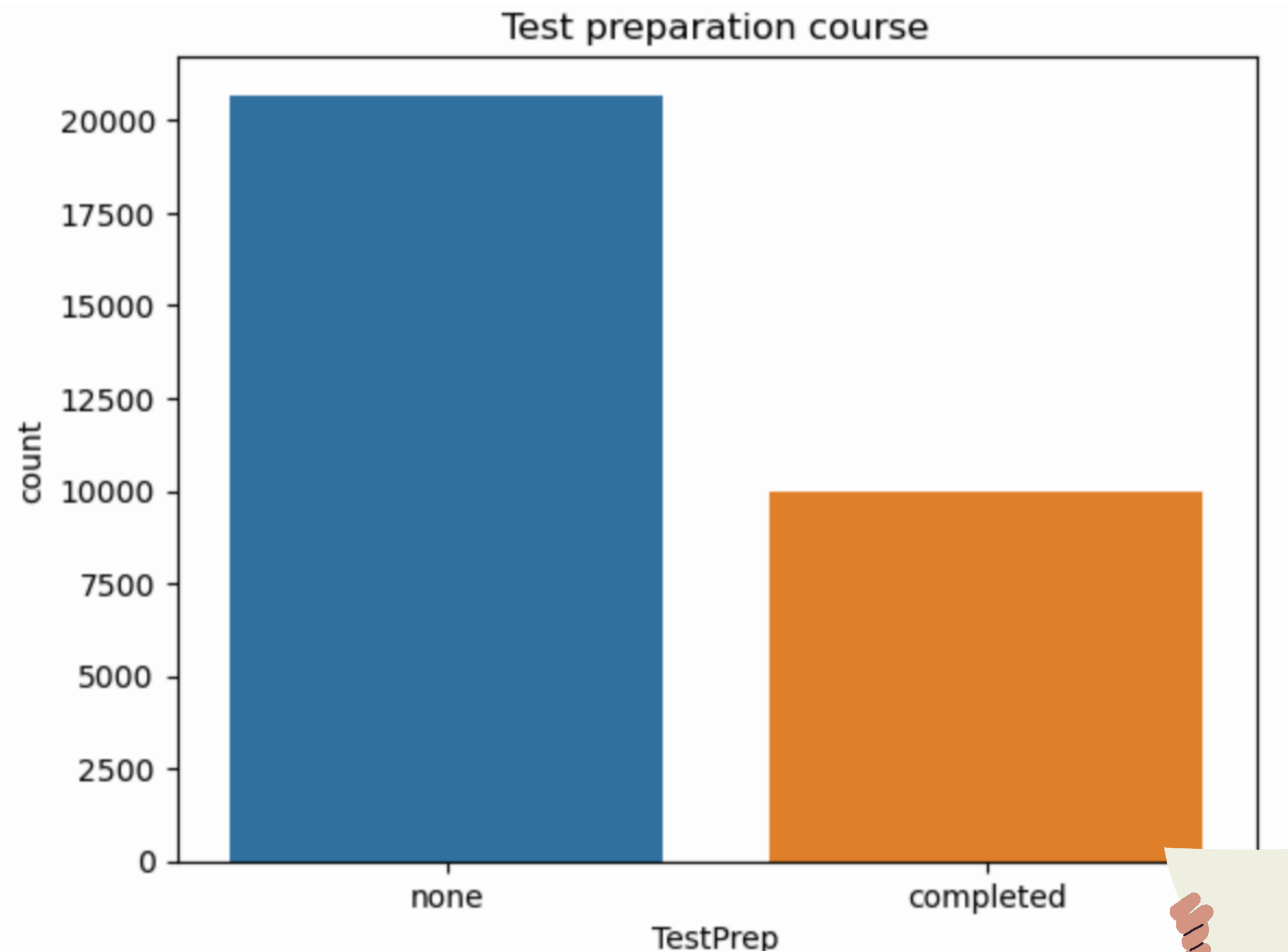
RELATIONSHIP BETWEEN GENDER AND STUDENT'S SCORE



WKLY STUDY HOURS



TEST PREPARATION COURSE





THANK YOU

If you have any questions, please do not hesitate to ask