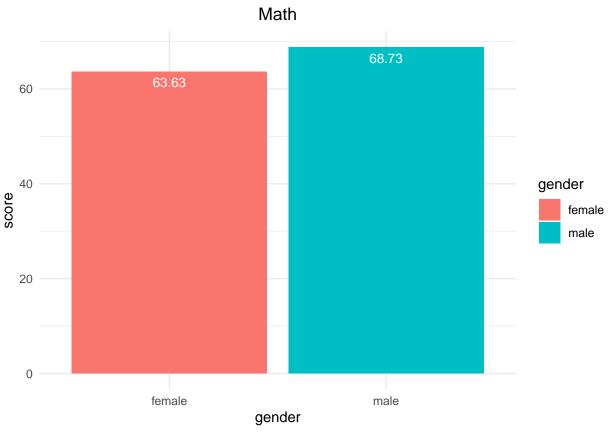
## Portfolio1

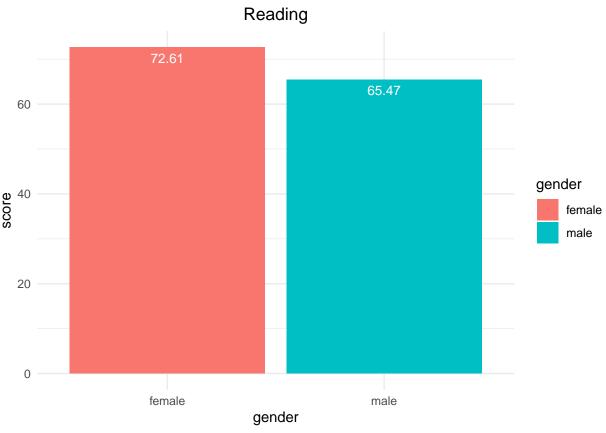
Negar

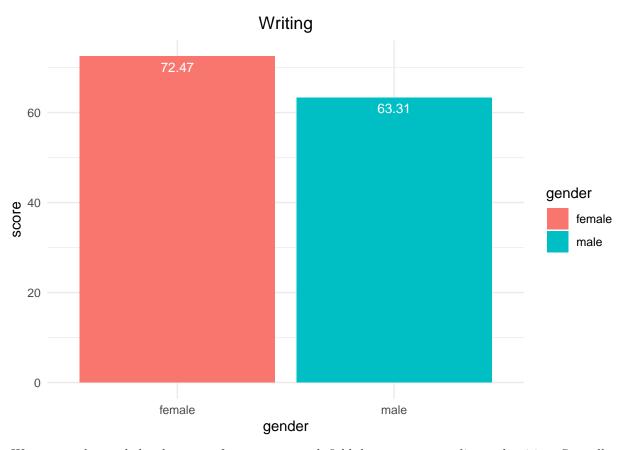
3/15/2022

```
data = read.csv(here::here("Data","data","StudentsPerformance_renamed.csv"))
```

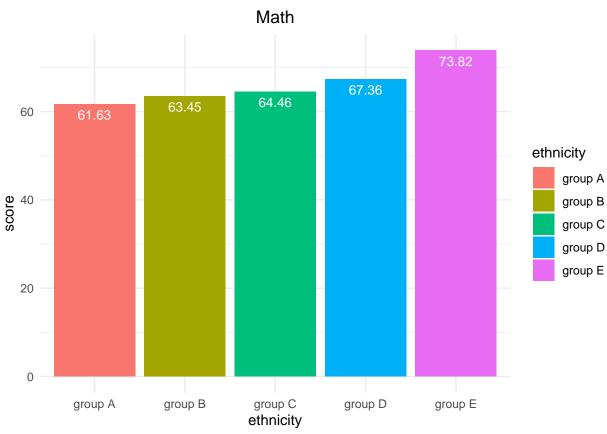
Firstly, let's figure out the performance of each field for males and females.

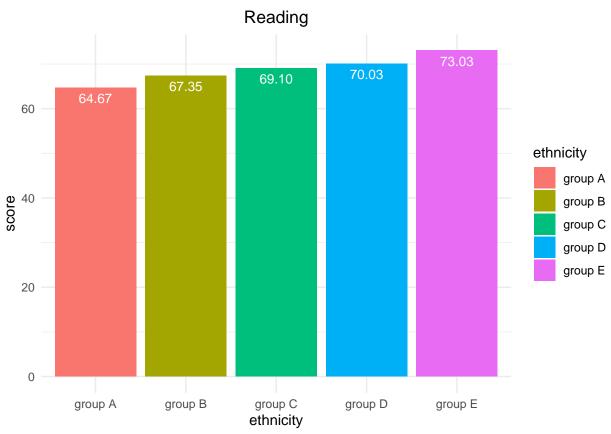


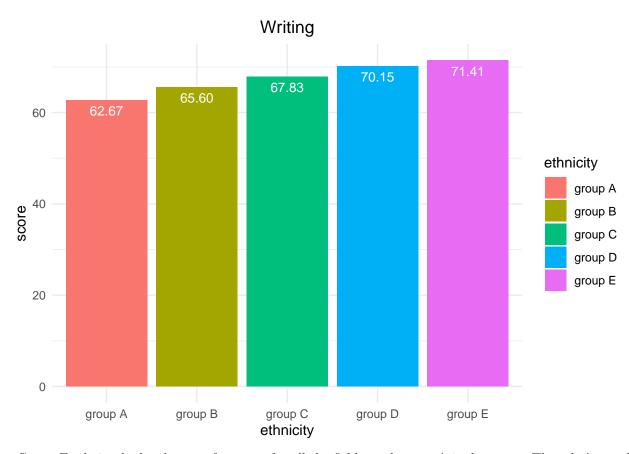




We can see that male has better performance on math field, but worse on reading and writing. Secondly, see the performance of ethnicity.

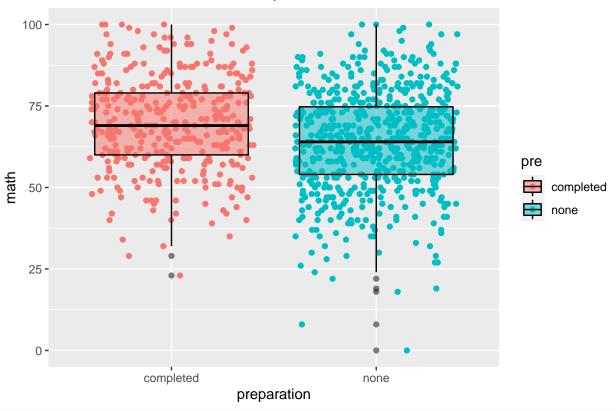




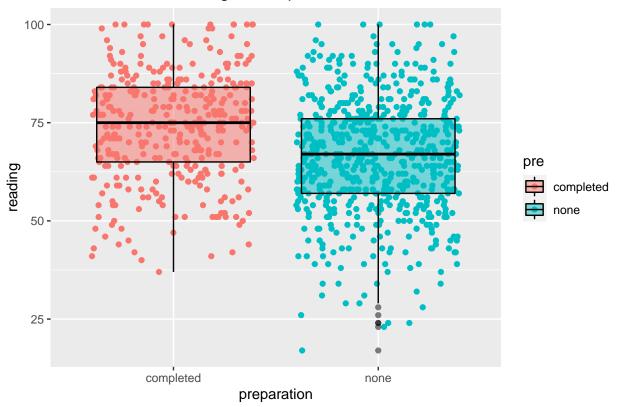


Group E, obviously, has best performance for all the fields, and group A is the worst. Then, let's see the result of score and test preparation.

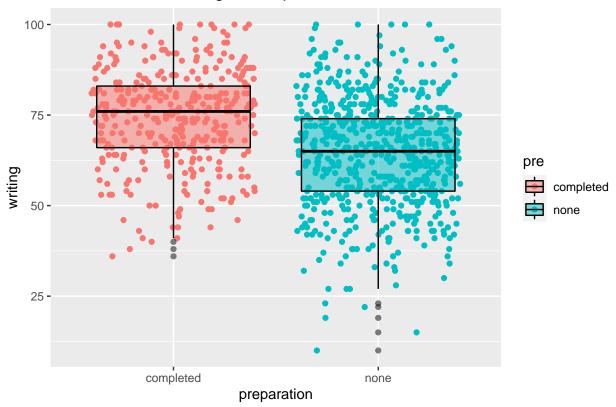
## Math vs. Preparation Test



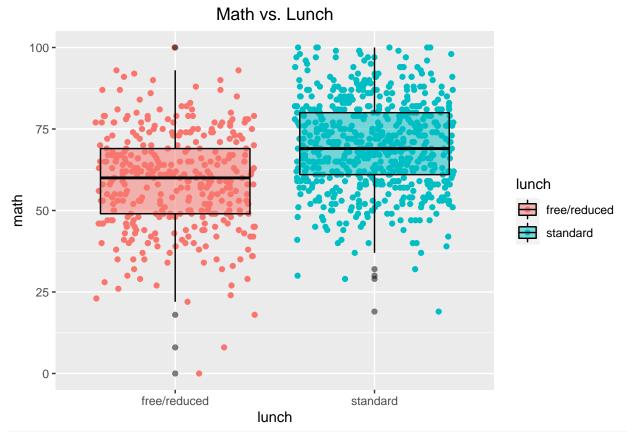
## Reading vs. Preparation Test

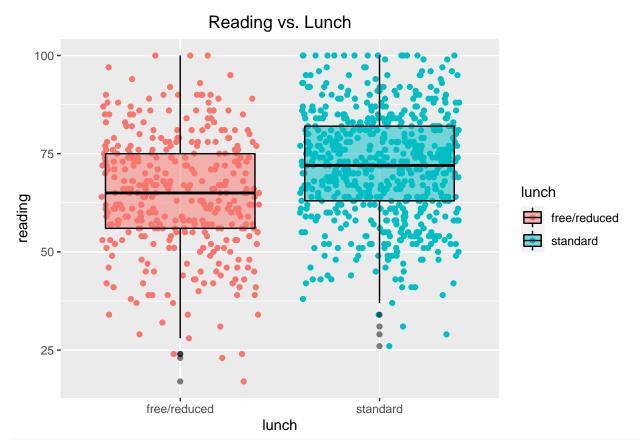


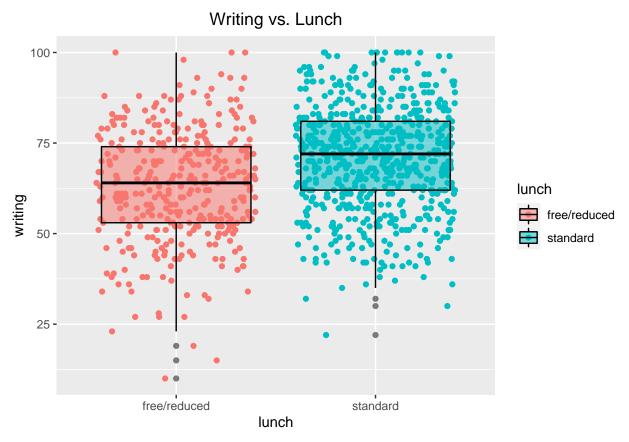
## Writing vs. Preparation Test



The score distribution got narrower if students complete the preparation before test, and also we can see that the average of the score is better.







As we expect, students are easier to get better score once they eat standardly.