

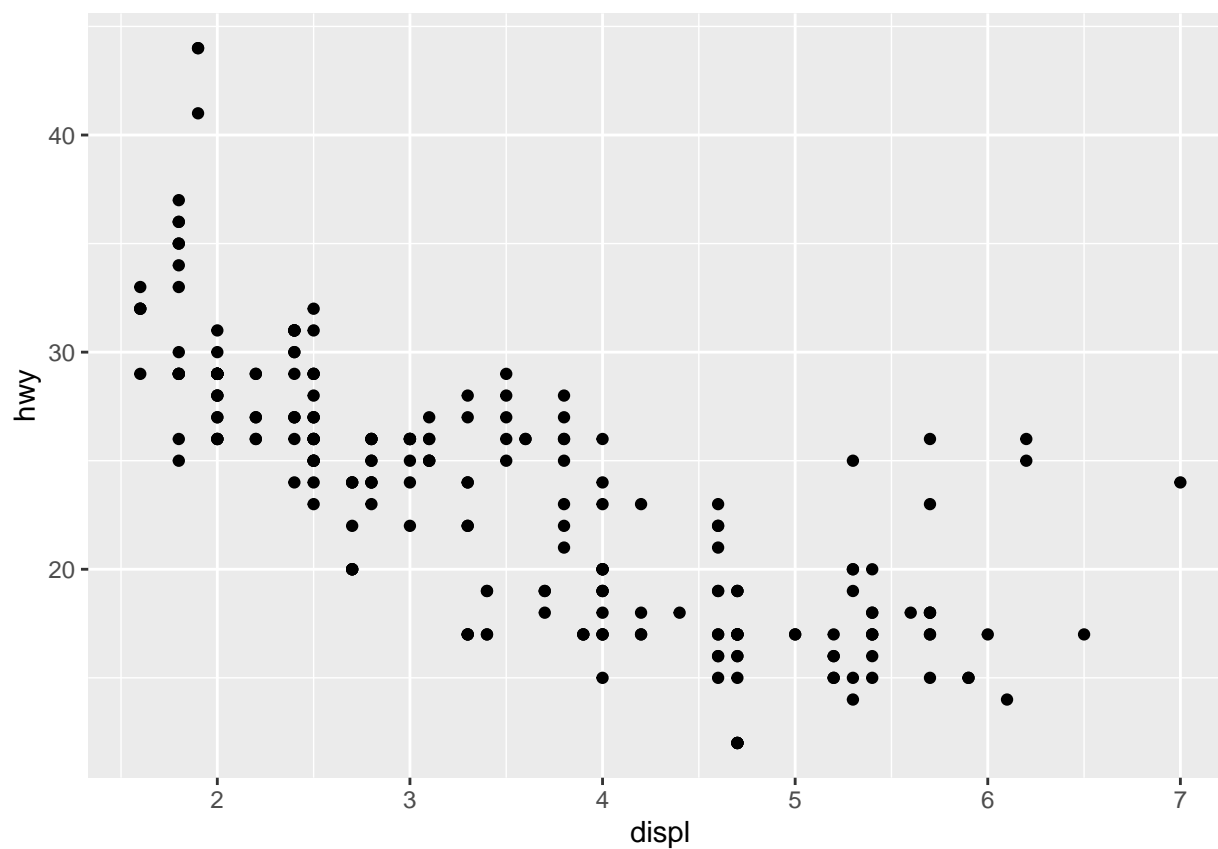
# Untitled

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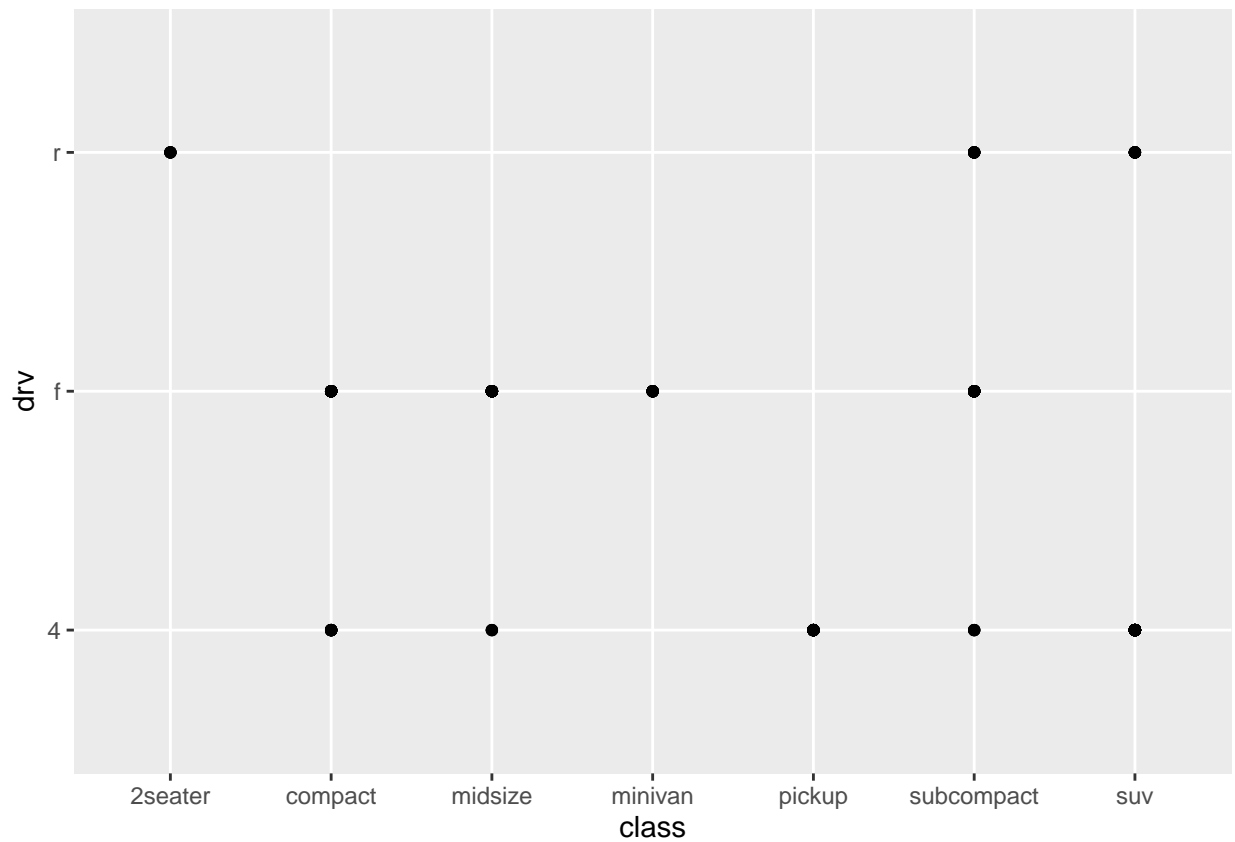
1/20/2020

## Exercise 1

the relationship between displ and hwy



the relationship between class and drv

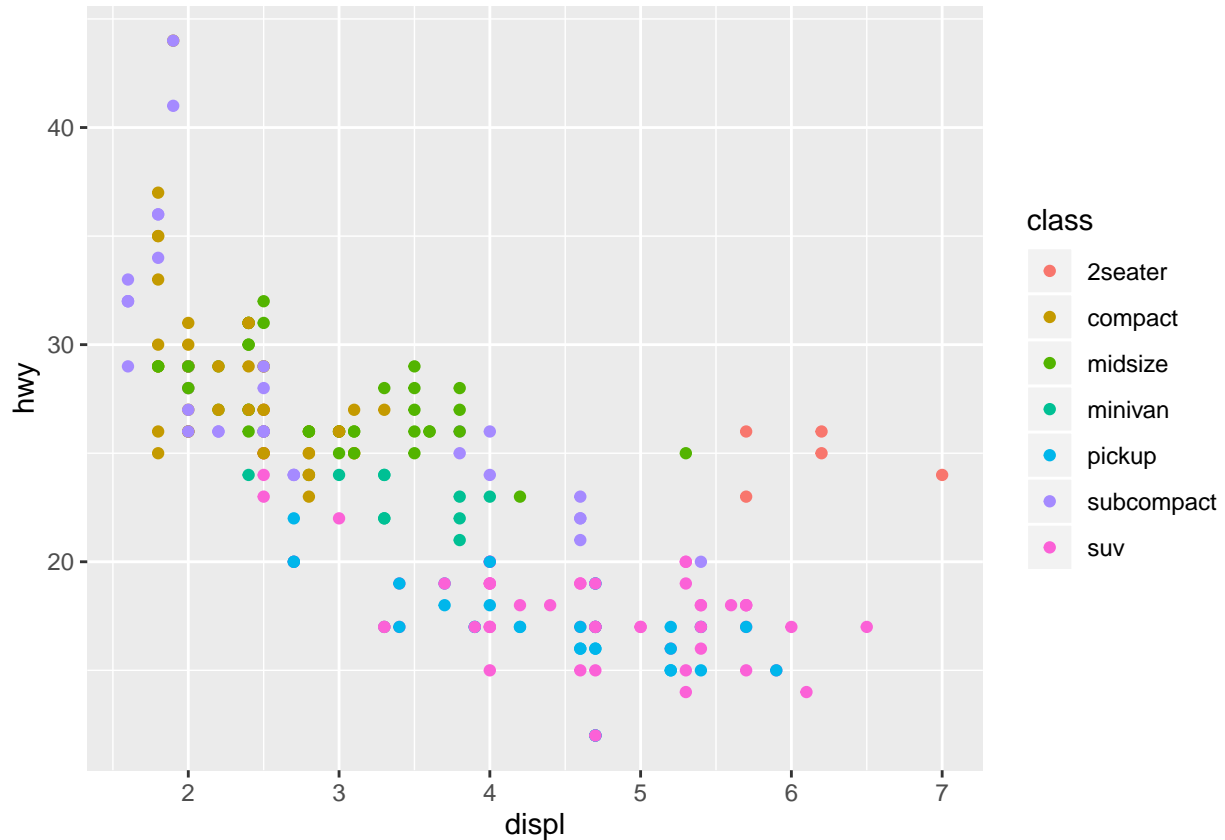


conclusion : This is the intuitive relationship we expected. There is a negative relationship between displ and hwy.

This means the size of displ being smaller, the hwy is higher.

There is no relationship between class and drv.

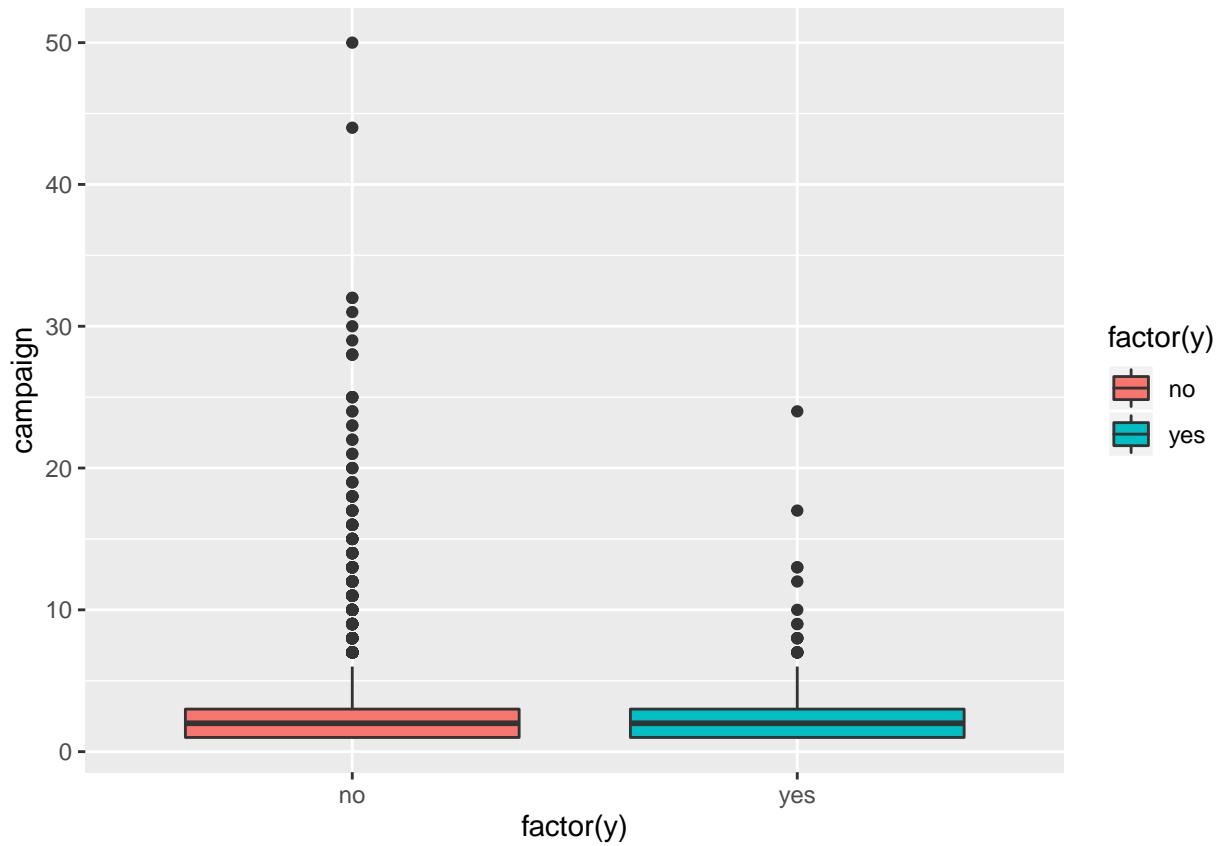
## Exercise 1b



Conclusion: The displ of 2seater car is about between 5.5 and 7, and the hwy of it is about 22-26. The displ of compact is about between 1.5 and 3.5, and the hwy of it is about 22-37. The displ of midsize is about between 1.7 and 5.4, and the hwy of it is about 24-32. The displ of minivan is about between 2.4 and 4, and the hwy of it is about 21-24. The displ of pickup is about between 2.7 and 5.9, and the hwy of it is about 10-22. The displ of subcompact is about between 0.1 and 5.4, and the hwy of it is about 20-44. The displ of suv is about between 2.5 and 6.5, and the hwy of it is about 5-24.

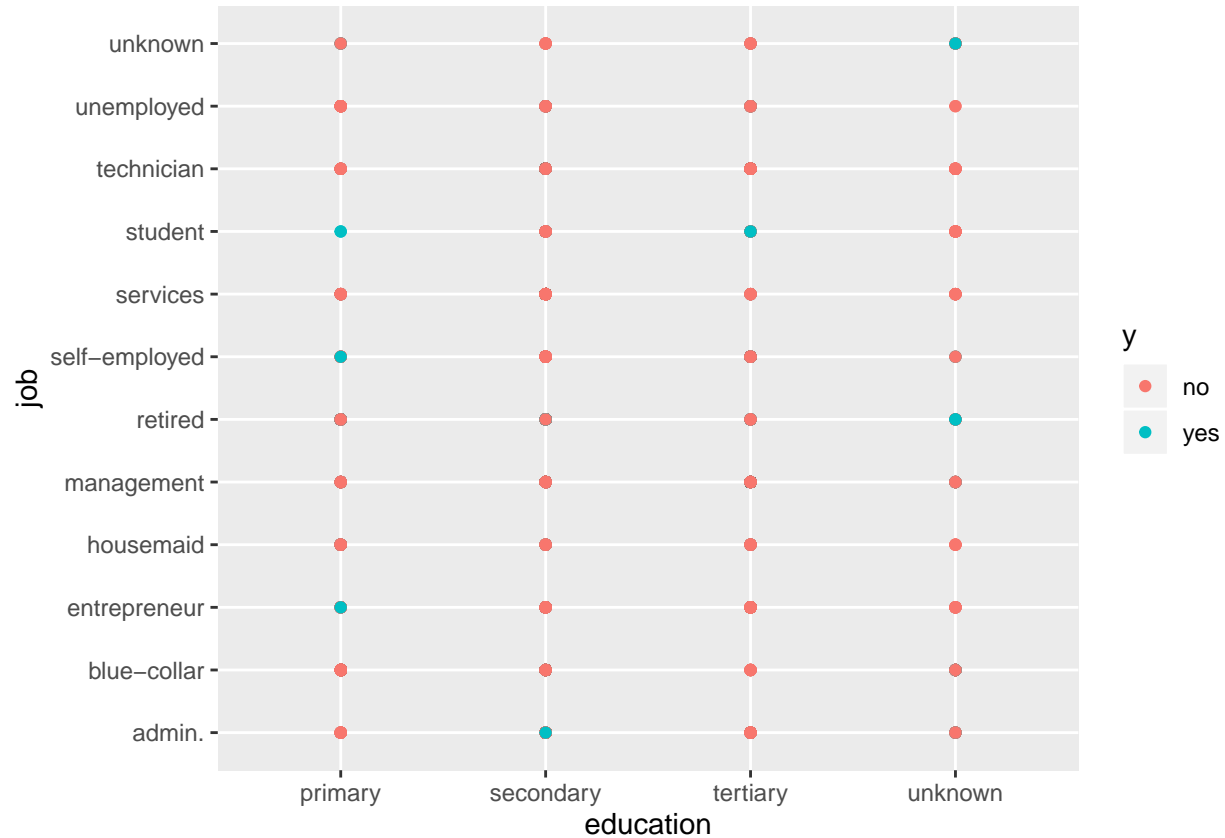
## Exercise 2

The first one



Conclusion: according to the graph, the bank can pay more attention on the amount of campaign which is less than 15 since those people have less choices. the bank can give up the campaign which is more than 35, and make some contact with people when the amount of campaign is between 25 and 15.

## The second one



The relationship between job and education based on the graph, people who are in primary education are more willing to deposit in long-term saving account while there are only a few people in secondary education willing to do so. For students, whether they are in primary or tertiary education, they are willing to deposit in saving account. we suggest that this bank should focus on contacting with student, self-employed and entrepreneur who are in primary education; admin who are in secondary education; student in tertiary education. There are some relations between the job and education as mentioned above. Among those data, we find that unknown is also partial reason which causes consumers do not subscribe the product. In the further running, bank should update the information completely as much as possible in order to prevent the unsubscribe condition. Thus, the bank could get a more precise prediction on the future consumer behaviors.