

Prediction for Simple Linear Regression

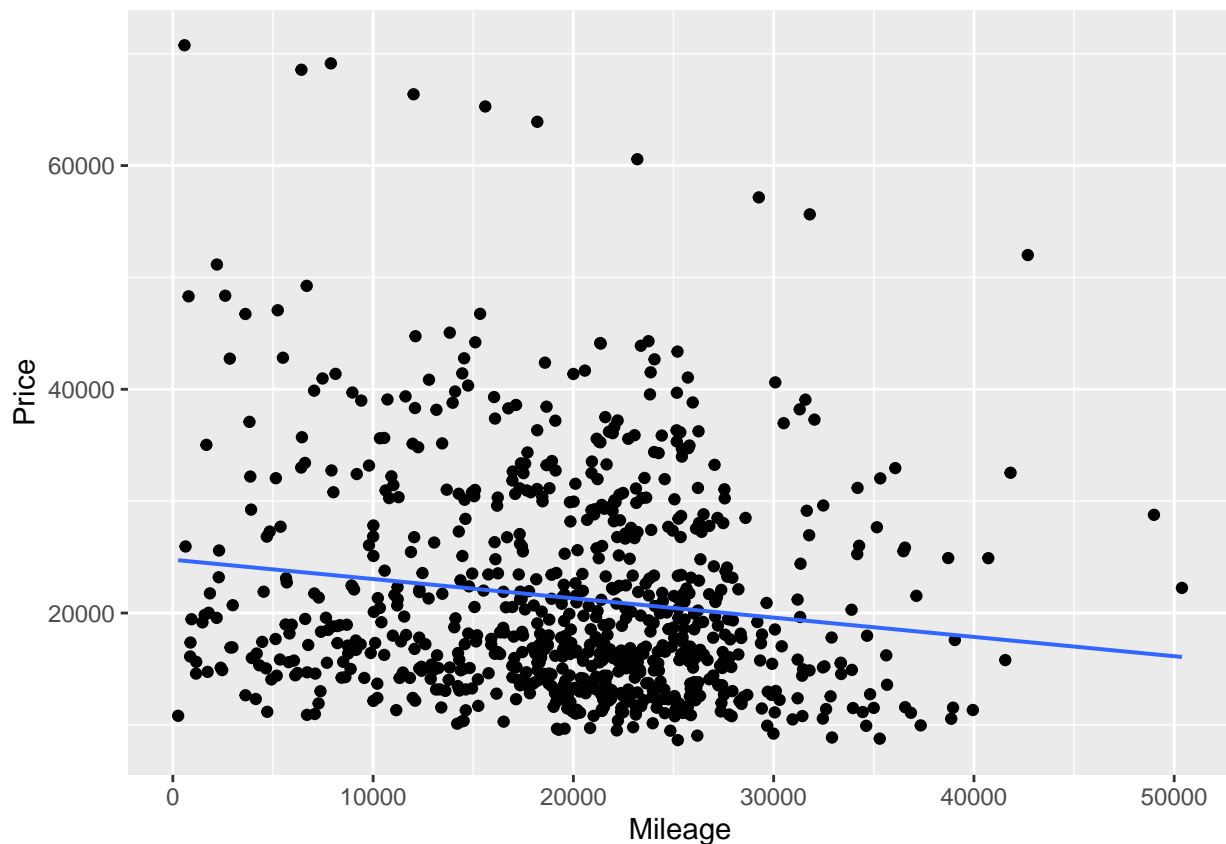
Winter 2024

Part I

Here is code to recreate figure 3.1 from the textbook:

```
gf_point(Price ~ Mileage, data = cars) |> # create the scatterplot, and then  
gf_lm() # add the fitted regression line
```

```
## Warning: Using the `size` aesthetic with geom_line was deprecated in ggplot2 3.4.0.  
## i Please use the `linewidth` aesthetic instead.  
## This warning is displayed once every 8 hours.  
## Call `lifecycle::last_lifecycle_warnings()` to see where this warning was  
## generated.
```



Task 1

Fit the model and print the summary, then identify the required parts of the summary (no need to show that you identified them here.)

Delete this comment and put your code here

Task 2

Write your interpretations here...

Task 3

Write your interpretation here...

Task 4

Write your answer here...

Task 5

Write your answer here...

Part II

Task 6

Delete this comment and put your code here

Write your interpretation here...

Task 7

Delete this comment and put your code here

Write your interpretation here...

Task 8

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Task 9

Write your answer here...

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