

TITLE HERE

YOUR NAME

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This is an example section to give you an idea of how your results should look. Make sure not to include this in your final report.

How does a car's mpg relate to its horsepower?

I am analyzing a dataset consisting of different models of cars and their characteristics. I wanted to see how a car's horsepower and their mileage relate to one other.

In Figure [1](#), I am plotting the car's horsepower and their miles per gallon. You can see a strong negative correlation between the two meaning that cars with higher horsepower have lower miles per gallon. This correlation is strong with an estimated correlation of -0.78. A simple regression analysis suggests that a car with an extra 50 horsepower on average is predicted to have 3.4 lower miles per gallon.

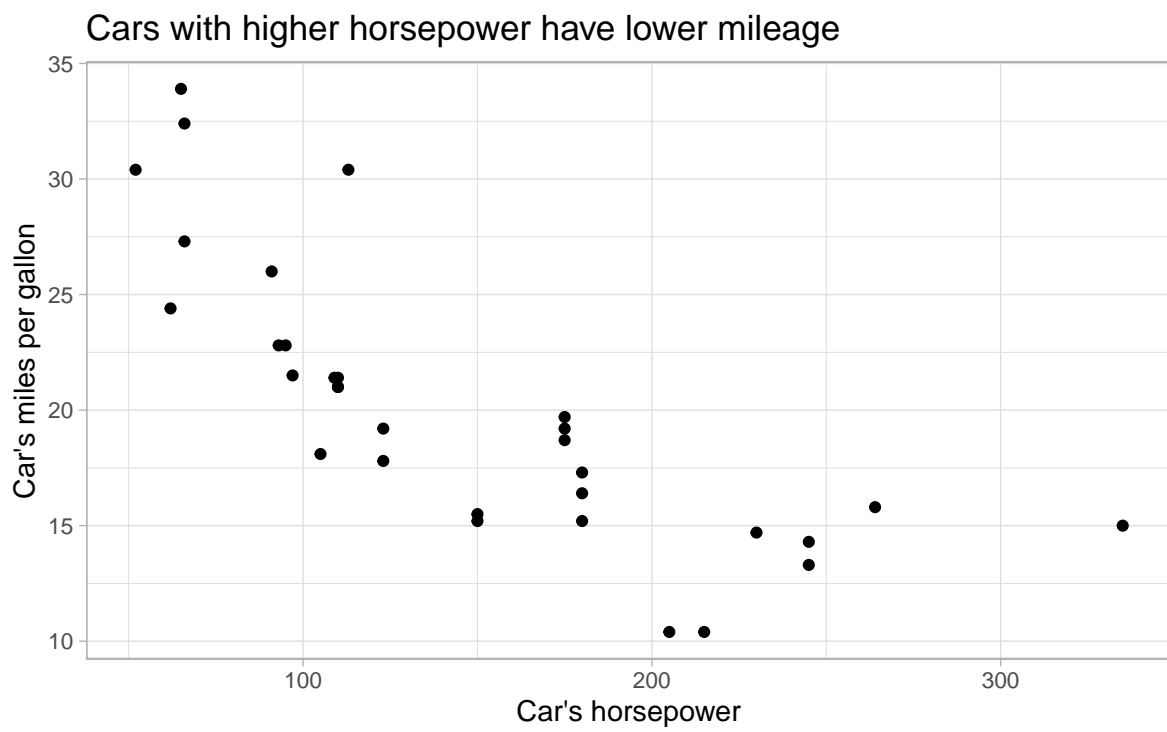


Figure 1: Relationship between Horsepower and Miles per gallon