

Fuel economy data

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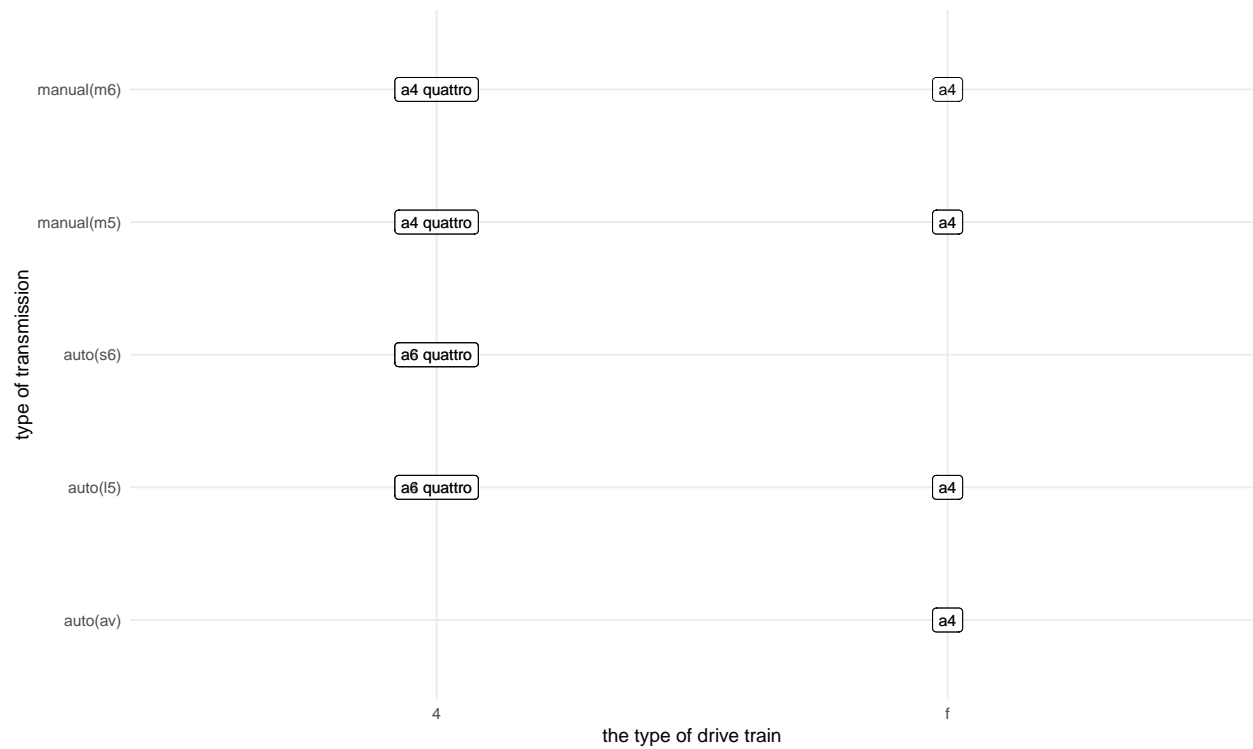
Fuel economy data from 1999 to 2008 for 38 popular models of cars

This dataset contains a subset of the fuel economy data that the EPA makes available. It contains only models which had a new release every year between 1999 and 2008 - this was used as a proxy for the popularity of the car.

```
## # A tibble: 6 x 11
##   manufacturer model displ  year   cyl trans      drv   cty   hwy fl   class
##   <chr>          <chr> <dbl> <int> <int> <chr>   <chr> <int> <int> <chr> <chr>
## 1 audi          a4      1.8  1999     4 auto(l5) f       18    29 p   compa~
## 2 audi          a4      1.8  1999     4 manual(m5) f       21    29 p   compa~
## 3 audi          a4      2    2008     4 manual(m6) f       20    31 p   compa~
## 4 audi          a4      2    2008     4 auto(av) f       21    30 p   compa~
## 5 audi          a4      2.8  1999     6 auto(l5) f       16    26 p   compa~
## 6 audi          a4      2.8  1999     6 manual(m5) f       18    26 p   compa~
```

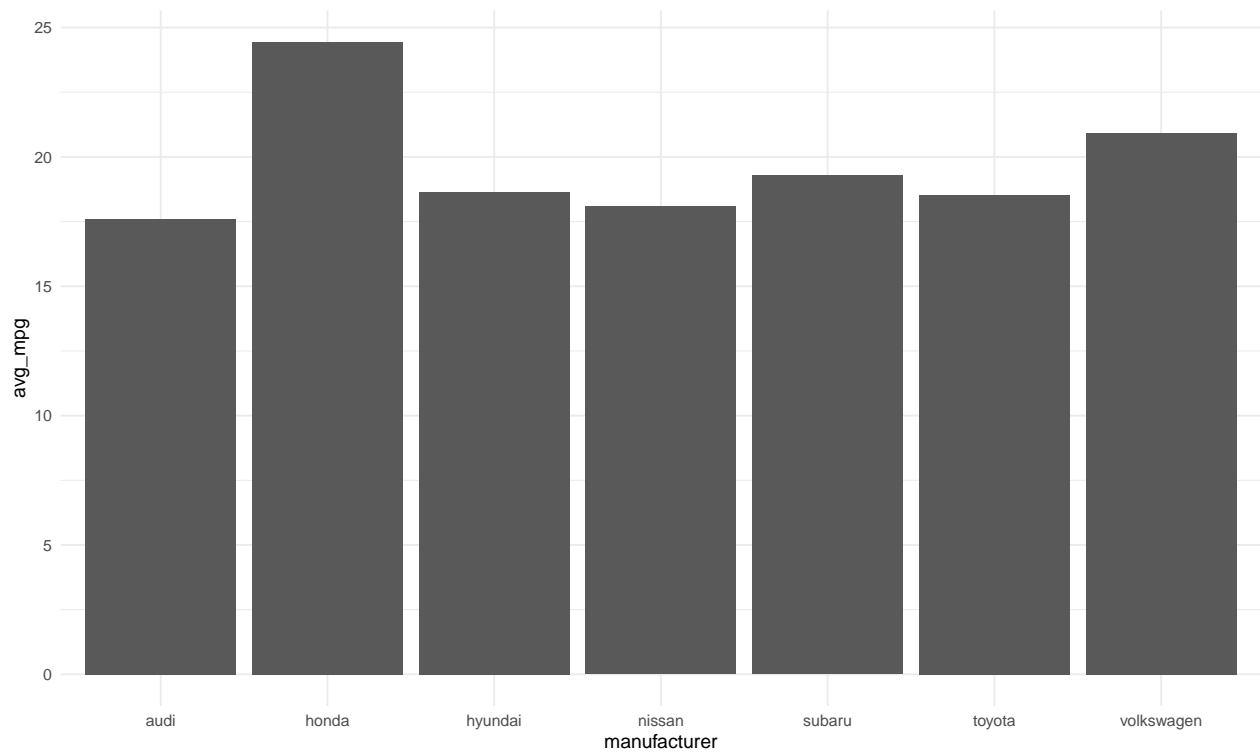
column	Description
manufacturer	manufacturer name
model	model name
displ	engine displacement, in litres
year	year of manufacture
cyl	number of cylinders
trans	type of transmission
drv	the type of drive train
cty	city miles per gallon
hwy	highway miles per gallon
fl	fuel type
class	“type” of car

- Which Audi models offer both automatic and manual transmission options, and what are their respective drivetrains?



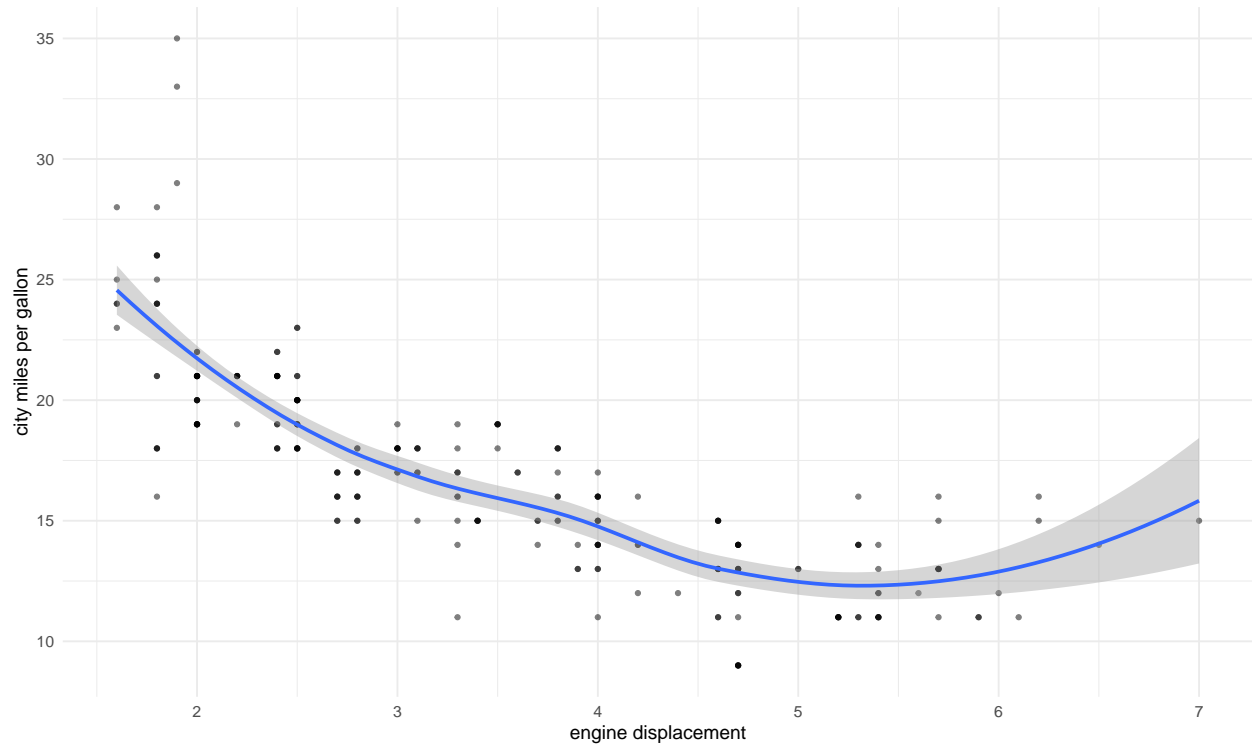
Picture 1: 2 types of drivetrains and 5 types of transmission options.

- What car brand gets the most miles per gallon on average ?



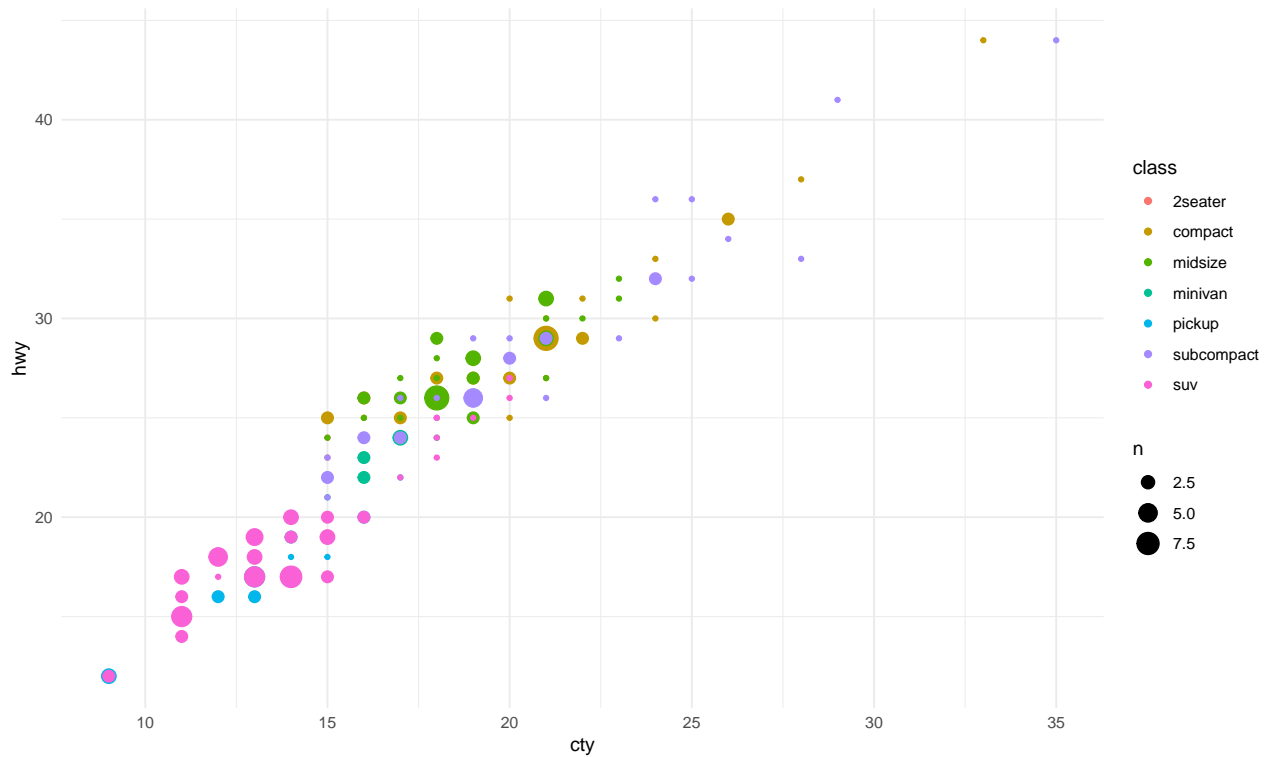
Picture 2 : Honda have the most miles per gallon on average.

- In what way does the size of a car's engine impact its fuel efficiency



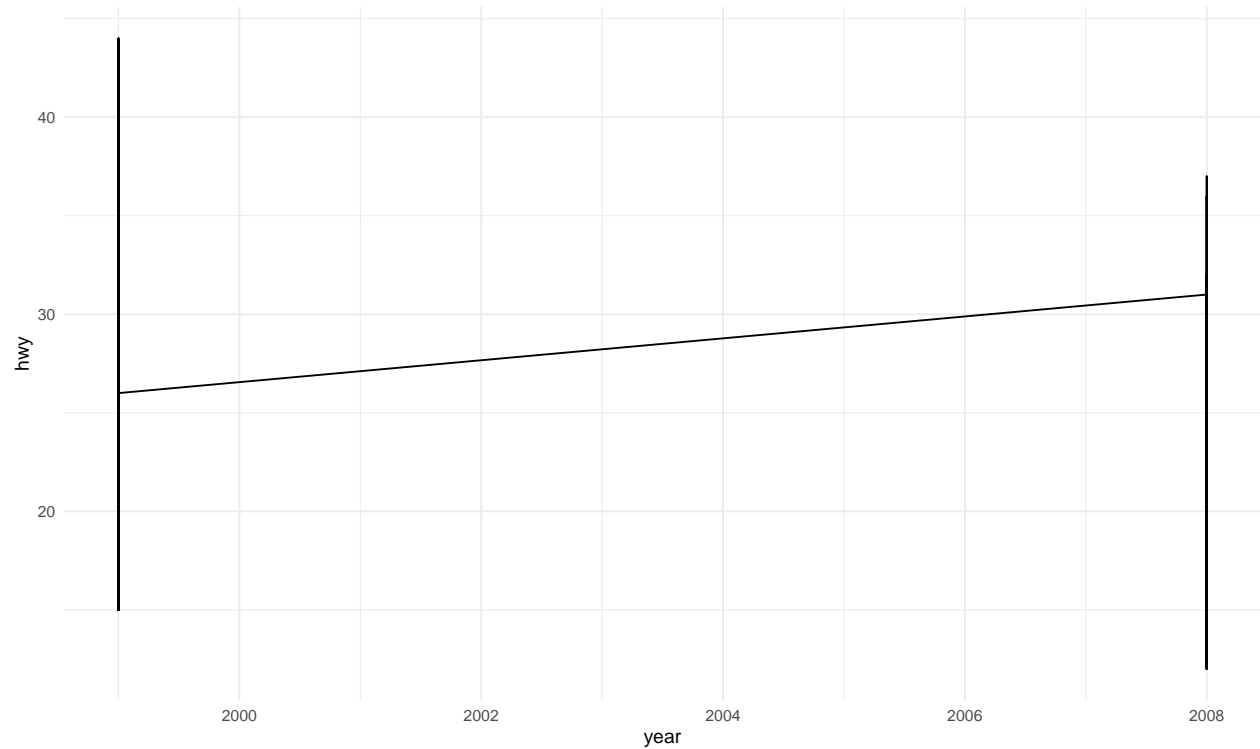
Picture 3: When looking at cars, you can see that engine displacement doesn't necessarily have a direct relationship with miles per gallon While larger engines tend to have lower fuel efficiency.

- Which type of car is most fuel-efficient?



Picture 4 : Subcompact cars are the most fuel-efficient choice. These are one of two types shown in the pictures, along with compact options.

- revolutionizing the way we think about fuel.



Pictures 5: Throughout history, humans have continuously developed the automobile industry.