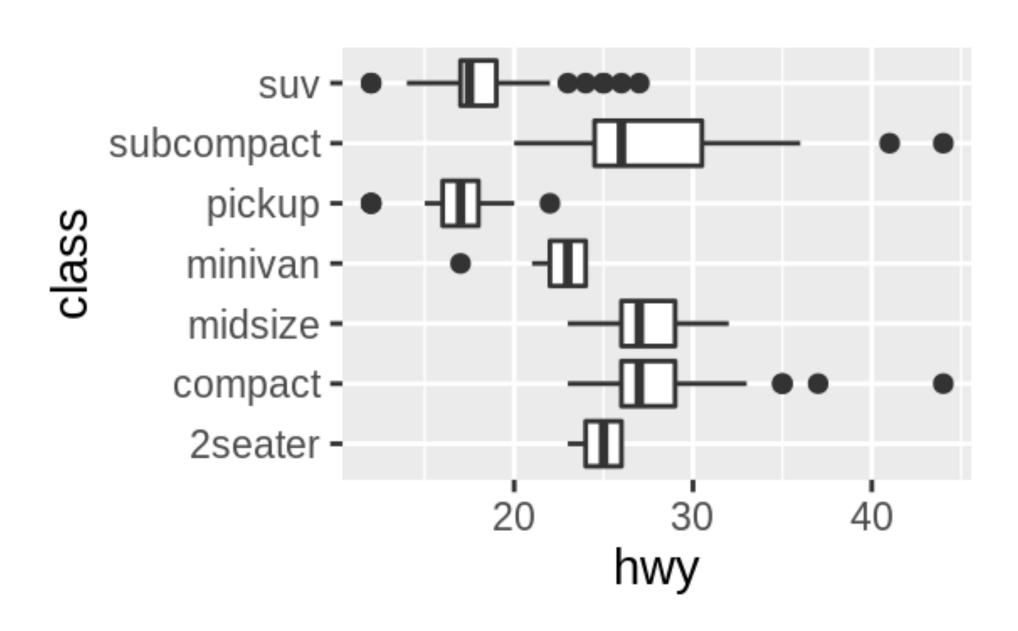
## Many plots apply statistical transformations or summaries to the input data

```
ggplot(data = mpg, mapping = aes(x = class, y = hwy)) +
geom_boxplot() +
coord_flip()
```



## Many plots apply statistical transformations or summaries to the input data

1. **geom\_bar()** begins with the **diamonds** data set

geom\_bar() transforms
 the data with the "count"
 stat, which returns a data
 set of cut values and
 counts.

 geom\_bar() uses the transformed data to build the plot. cut is mapped to the x axis, count is mapped to the y axis.



