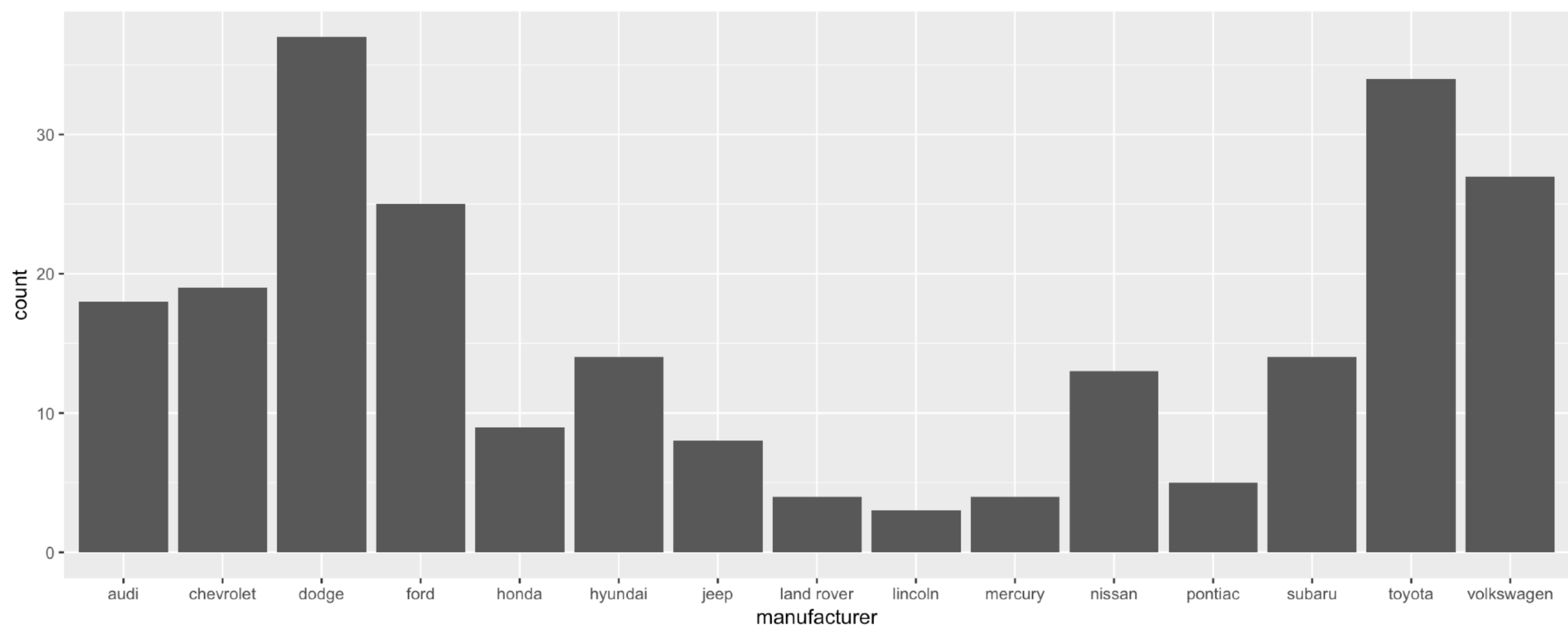
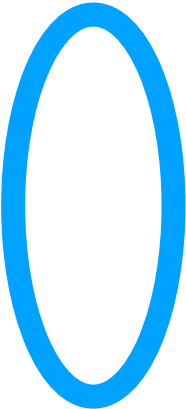
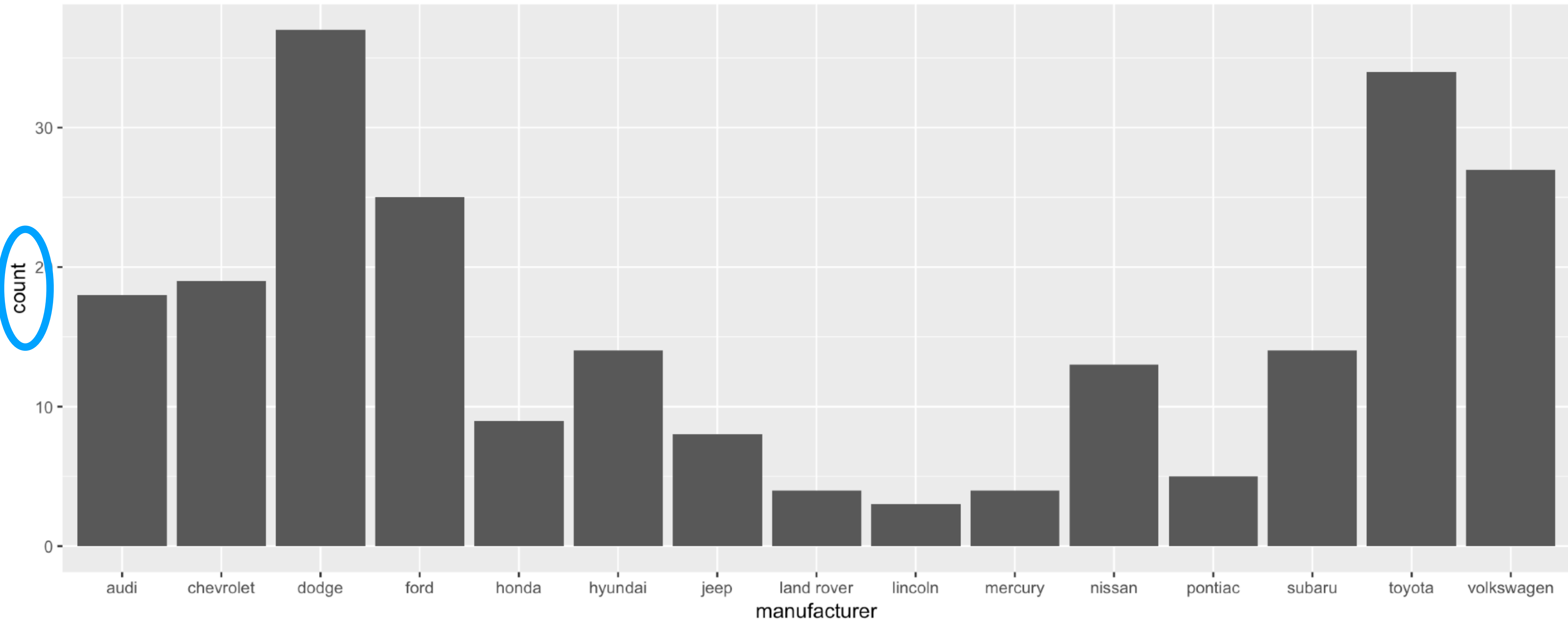



```
ggplot(mpg, aes(manufacturer)) +  
  geom_bar()
```





```
ggplot(mpg, aes(manufacturer)) +  
  geom_bar()
```



```

> mpg$manufacturer
 [1] "audi"      "audi"      "audi"      "audi"      "audi"      "audi"      "audi"
 [8] "audi"      "audi"      "audi"      "audi"      "audi"      "audi"      "audi"
[15] "audi"      "audi"      "audi"      "audi"      "chevrolet" "chevrolet" "chevrolet"
[22] "chevrolet" "chevrolet" "chevrolet" "chevrolet" "chevrolet" "chevrolet" "chevrolet"
[29] "chevrolet" "chevrolet" "chevrolet" "chevrolet" "chevrolet" "chevrolet" "chevrolet"
[36] "chevrolet" "chevrolet" "dodge"      "dodge"      "dodge"      "dodge"      "dodge"
[43] "dodge"      "dodge"      "dodge"      "dodge"      "dodge"      "dodge"      "dodge"
[50] "dodge"      "dodge"      "dodge"      "dodge"      "dodge"      "dodge"      "dodge"
[57] "dodge"      "dodge"      "dodge"      "dodge"      "dodge"      "dodge"      "dodge"
[64] "dodge"      "dodge"      "dodge"      "dodge"      "dodge"      "dodge"      "dodge"
[71] "dodge"      "dodge"      "dodge"      "dodge"      "ford"       "ford"       "ford"
[78] "ford"       "ford"       "ford"       "ford"       "ford"       "ford"       "ford"
[85] "ford"       "ford"       "ford"       "ford"       "ford"       "ford"       "ford"
[92] "ford"       "ford"       "ford"       "ford"       "ford"       "ford"       "ford"
[99] "ford"       "honda"     "honda"     "honda"     "honda"     "honda"     "honda"
[106] "honda"     "honda"     "honda"     "hyundai"   "hyundai"   "hyundai"   "hyundai"
[113] "hyundai"   "hyundai"   "hyundai"   "hyundai"   "hyundai"   "hyundai"   "hyundai"
[120] "hyundai"   "hyundai"   "hyundai"   "jeep"      "jeep"      "jeep"      "jeep"
[127] "jeep"      "jeep"      "jeep"      "jeep"      "land rover" "land rover" "land rover"
[134] "land rover" "lincoln"   "lincoln"   "lincoln"   "mercury"   "mercury"   "mercury"
[141] "mercury"   "nissan"    "nissan"    "nissan"    "nissan"    "nissan"    "nissan"
[148] "nissan"     "nissan"    "nissan"    "nissan"    "nissan"    "nissan"    "nissan"
[155] "pontiac"   "pontiac"   "pontiac"   "pontiac"   "pontiac"   "subaru"    "subaru"
[162] "subaru"    "subaru"    "subaru"    "subaru"    "subaru"    "subaru"    "subaru"
[169] "subaru"    "subaru"    "subaru"    "subaru"    "subaru"    "toyota"    "toyota"
[176] "toyota"    "toyota"    "toyota"    "toyota"    "toyota"    "toyota"    "toyota"
[183] "toyota"    "toyota"    "toyota"    "toyota"    "toyota"    "toyota"    "toyota"
[190] "toyota"    "toyota"    "toyota"    "toyota"    "toyota"    "toyota"    "toyota"
[197] "toyota"    "toyota"    "toyota"    "toyota"    "toyota"    "toyota"    "toyota"

```