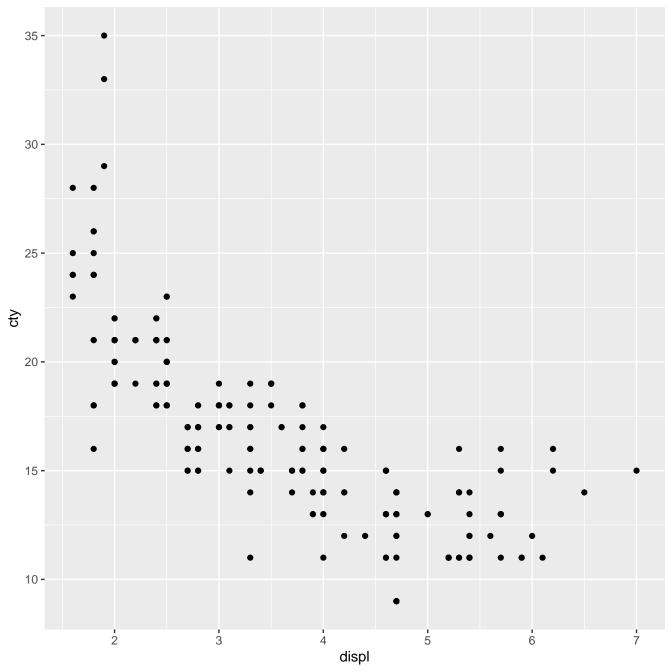
```
1 library(ggplot2)
 2
 3 data("mpg")
 4
 5 | ggplot(mpg, aes(x=displ, y=cty)) + geom point()
 6
 7 p <- ggplot(mpg, aes(x=displ, y=cty)) + geom point() +
   x\lim(0, 10) + y\lim(0, 40)
9 p+ggtitle('Scatterplot of City Gas Economy vs Displacement') +xlab('Displacement (L)') +
  ylab('City Gas Economy (MPH)')
10
11 p <- ggplot(mpg, aes(x=displ, y=cty, color=as.factor(year))) + geom point() +
12
   x\lim(0, 10) + y\lim(0, 40)
13 p+ggtitle('Scatterplot of City Gas Economy vs Displacement') +xlab('Displacement (L)') +
  ylab('City Gas Economy (MPH)')
14
15
16 p <- ggplot(mpg, aes(x=displ, y=cty, color=as.factor(year))) + geom_point() +
17
    xlim(0, 10) + ylim(0, 40) +
    facet wrap(~class)
18
19 p+ggtitle('Scatterplot of City Gas Economy vs Displacement') +xlab('Displacement (L)') +
  ylab('City Gas Economy (MPH)')
20
21
22 ggplot(mpg, aes(x=class)) + geom bar()
23
24 ggsave("homework#2.pdf")
25
26 print(plot)
```

localhost:33699 1/1



Scatterplot of City Gas Economy vs Displacement 40 -30 -City Gas Economy (MPH) 10 -0 -0.0 2.5 5.0 7.5 10.0 Displacement (L)

Scatterplot of City Gas Economy vs Displacement 40 -30 -City Gas Economy (MPH) as.factor(year) 1999 2008 10 -0 -2.5 5.0 7.5 10.0 0.0 Displacement (L)

Scatterplot of City Gas Economy vs Displacement 2seater compact midsize 40 -30 -20 -10 -0 minivan pickup subcompact City Gas Economy (MPH) as.factor(year) 1999 2008 0.0 5.0 7.5 10.00.0 2.5 5.0 2.5 7.5 10.0 suv 40 -30 -20 -10 -0 -0.0 5.0 7.5 10.0 2.5

Displacement (L)

