

assignment3

2023-08-03

R Markdown

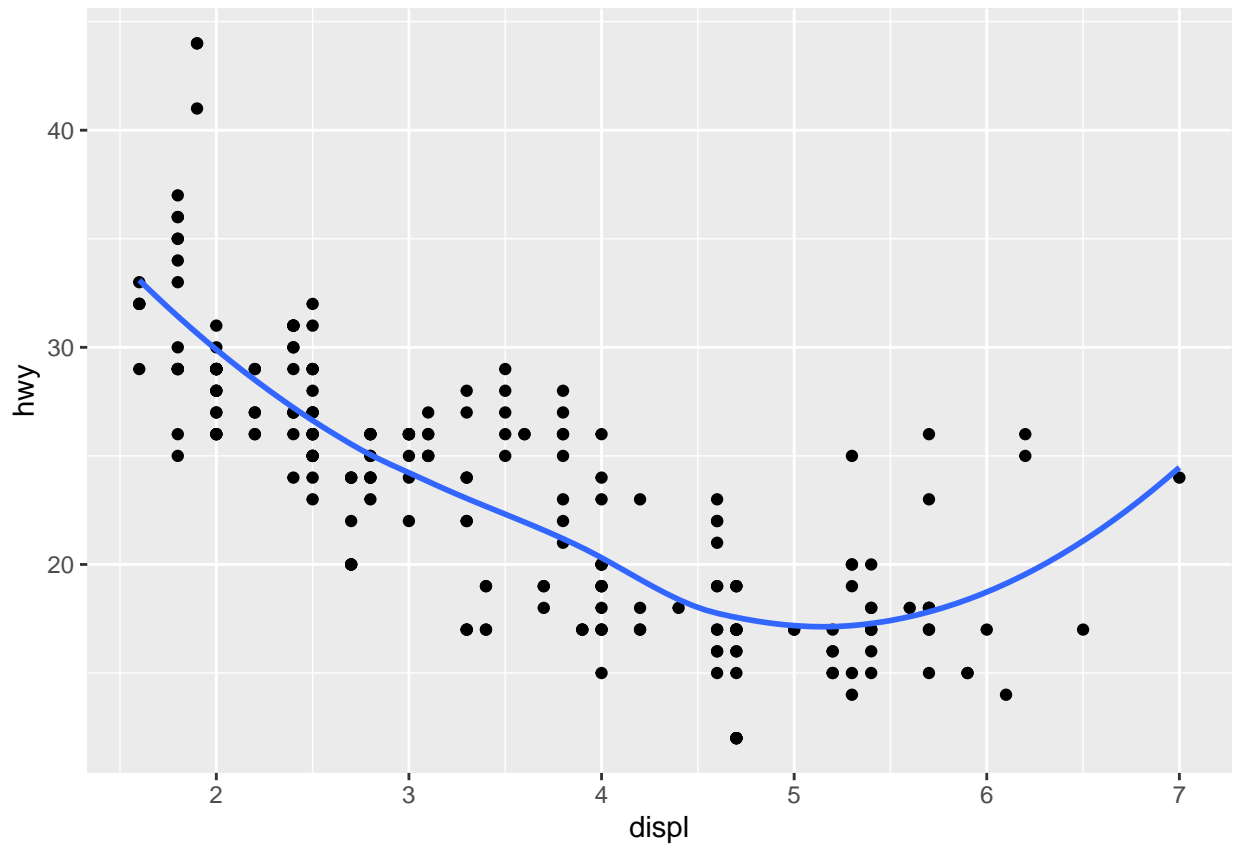
```
require(ggplot2)
```

```
## Loading required package: ggplot2
```

Question 1

```
ggplot(data = mpg) +  
  geom_point(mapping = aes(x = displ, y = hwy)) +  
  geom_smooth(mapping = aes(x = displ, y = hwy), se = FALSE)
```

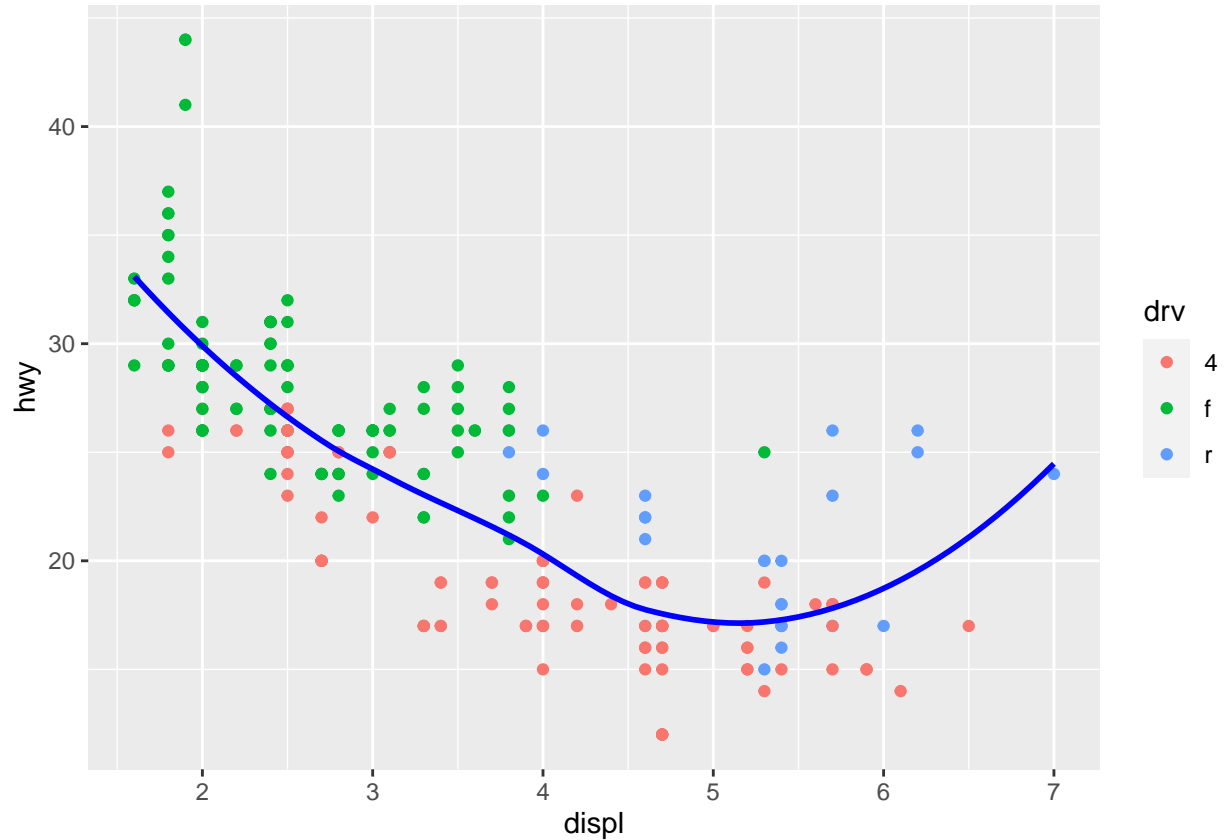
```
## 'geom_smooth()' using method = 'loess' and formula = 'y ~ x'
```



Question 2

```
ggplot(data = mpg) +  
  geom_point(mapping = aes(x = displ, y = hwy, color=drv)) +  
  geom_smooth(mapping = aes(x = displ, y = hwy), se = FALSE, color='blue')
```

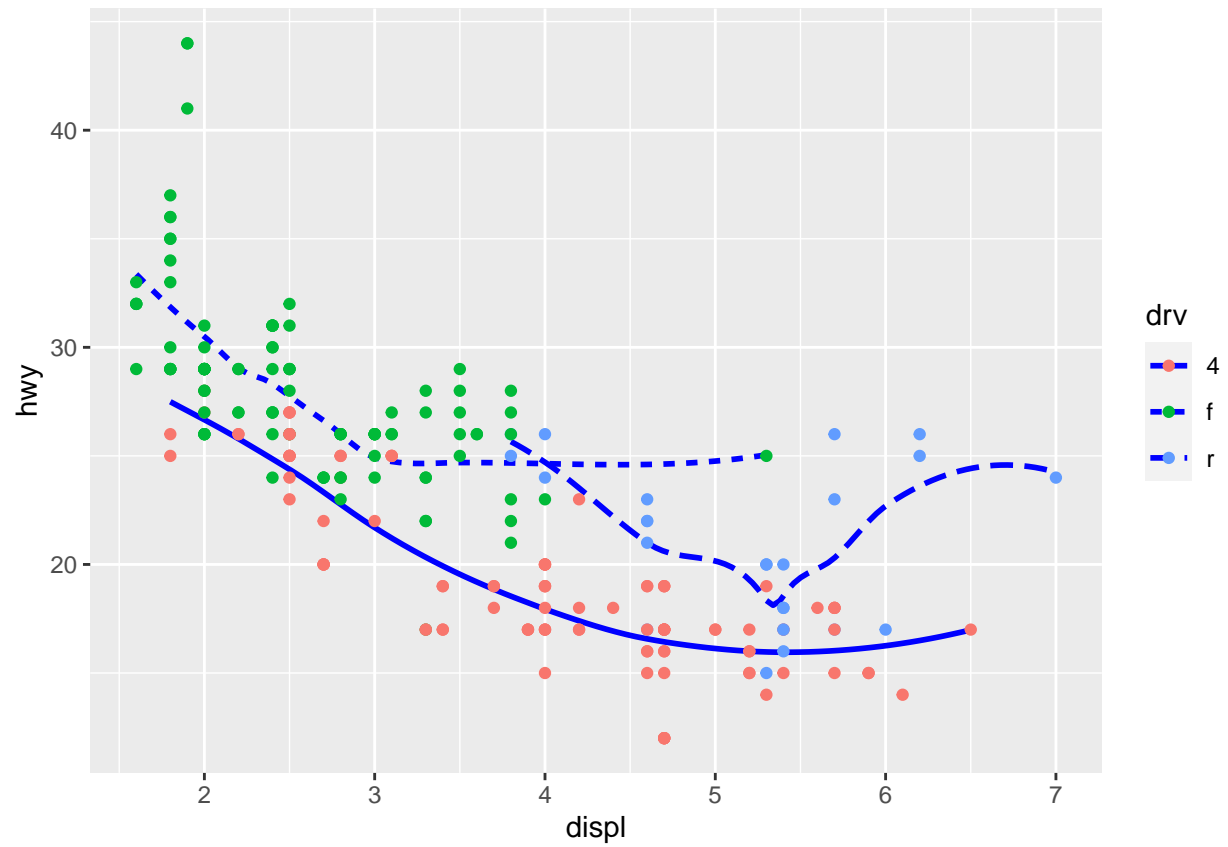
```
## 'geom_smooth()' using method = 'loess' and formula = 'y ~ x'
```



Question 3

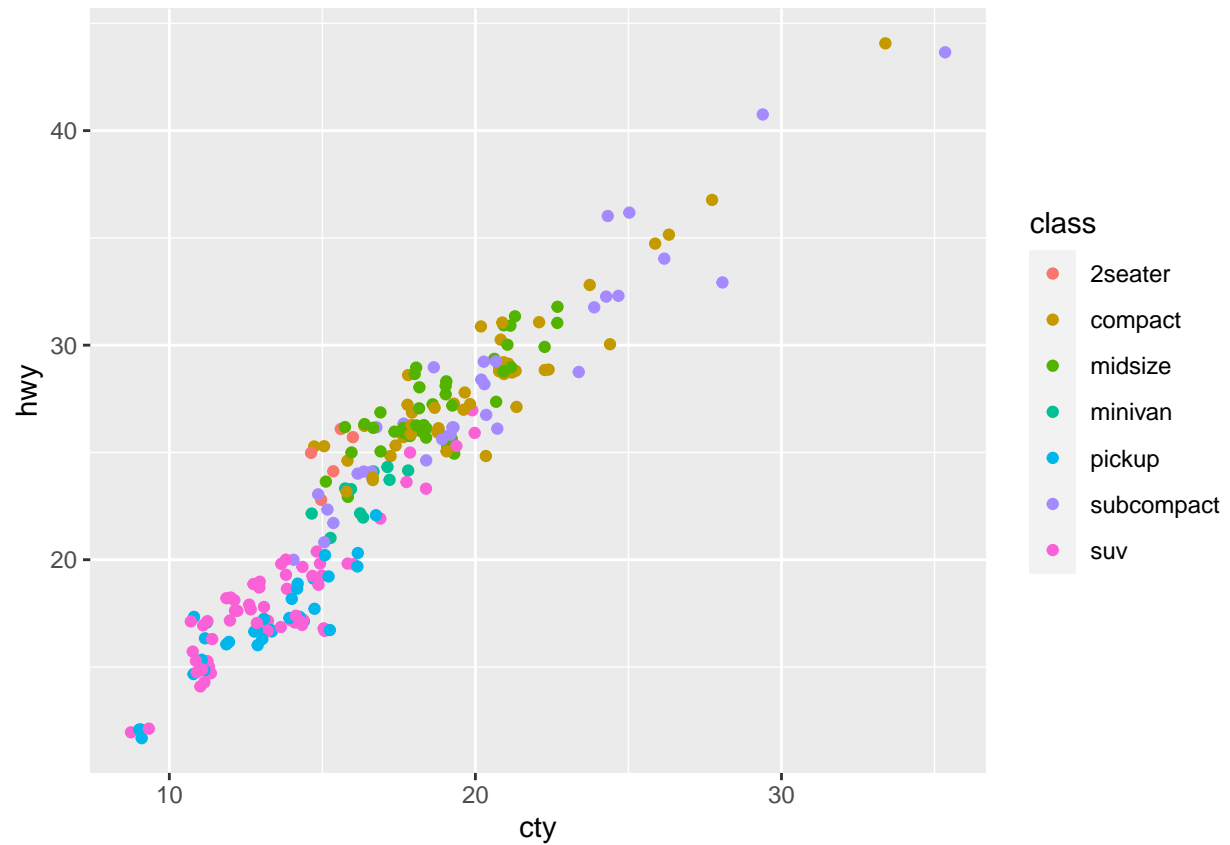
```
ggplot(data = mpg) +  
  geom_smooth(mapping = aes(x = displ, y = hwy, linetype = drv), se = FALSE, color = 'blue') +  
  geom_point(mapping = aes(x = displ, y = hwy, color=drv))
```

```
## 'geom_smooth()' using method = 'loess' and formula = 'y ~ x'
```



Question 4

```
ggplot(data = mpg) +  
  geom_jitter(mapping = aes(x = cty, y = hwy, color=class))
```



Question 5

```
ggplot(data = mpg) +  
  geom_point(mapping = aes(x = hwy, y = cyl), shape = 17,color='orange')+  
  facet_wrap(~class, nrow = 3)
```

