

Tugas 2

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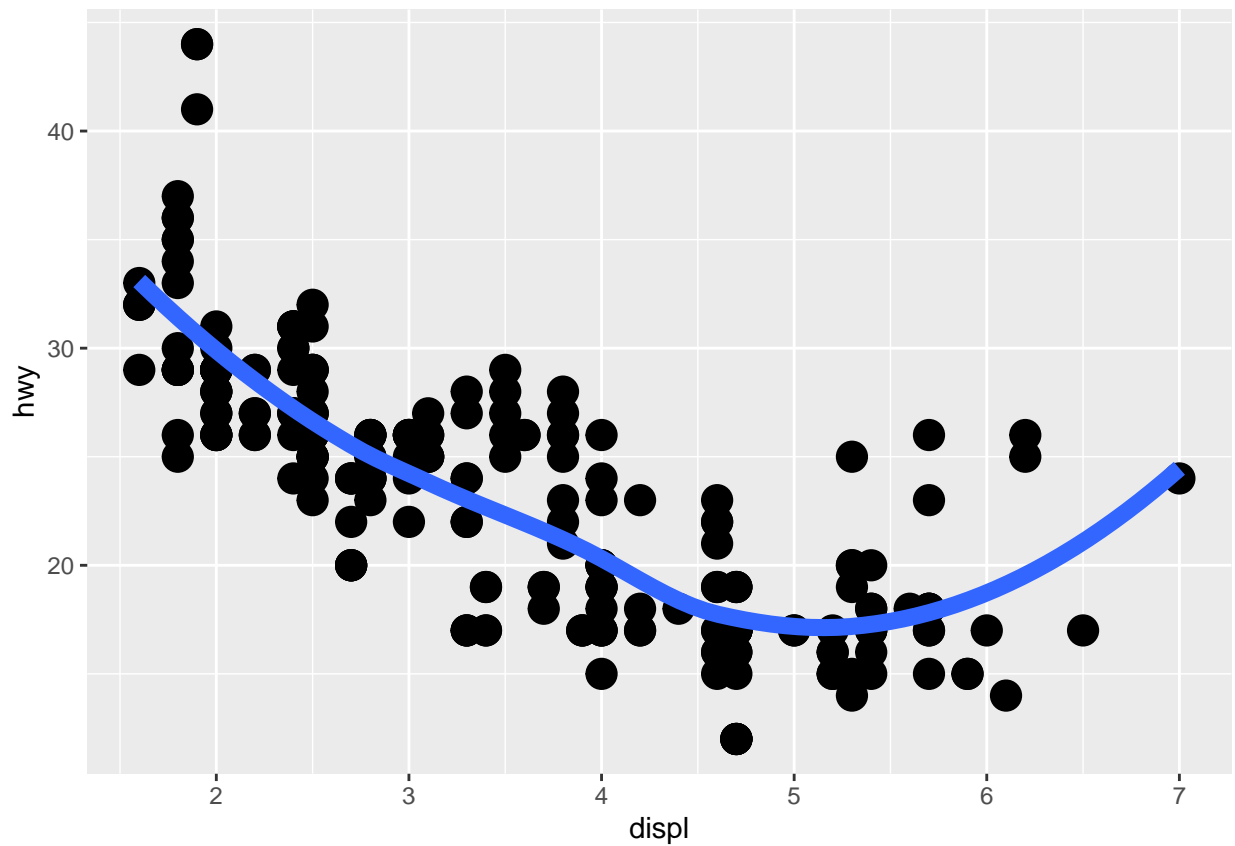
Tuliskan kode R yang bersesuaian untuk menampilkan masing-masing plot berikut ini dengan menggunakan data(mpg).

```
library(ggplot2)
```

Nomor 1

```
ggplot(data=mpg, mapping=aes(x=displ, y=hwy )) +  
  geom_point(size=5) +  
  geom_smooth(se=FALSE, size=3)
```

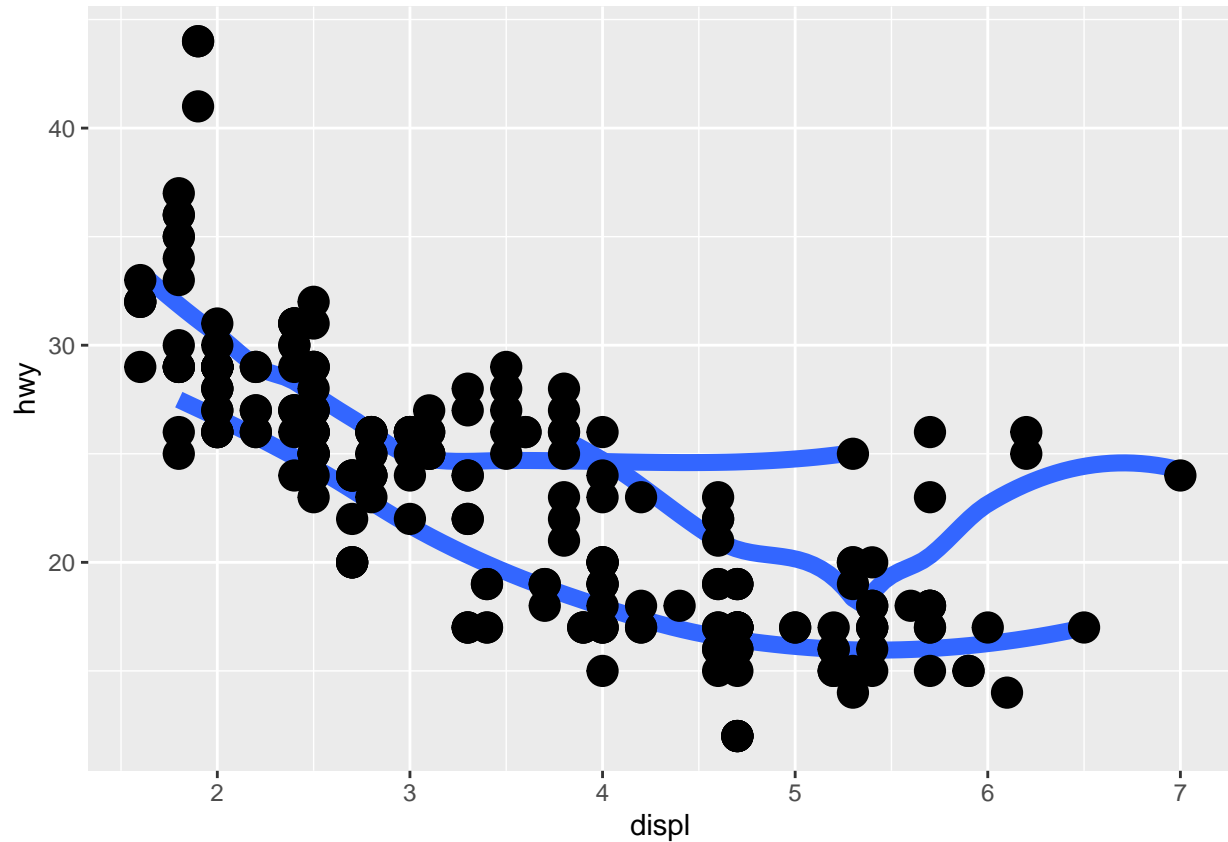
```
## `geom_smooth()` using method = 'loess' and formula 'y ~ x'
```



Nomor 2

```
ggplot(data=mpg, mapping=aes(x=displ, y=hwy, line=drv)) +  
  geom_smooth(se=FALSE, size=3) +  
  geom_point(size=5)
```

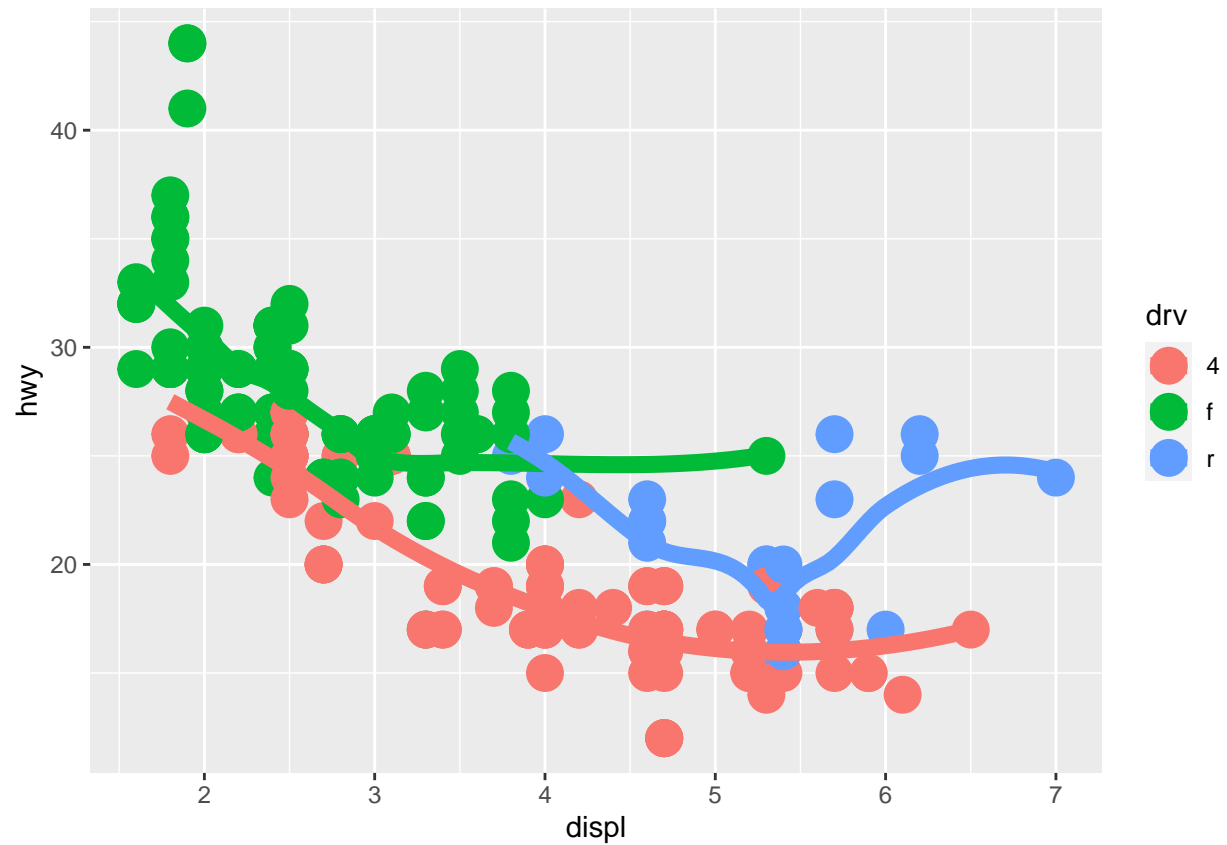
```
## `geom_smooth()` using method = 'loess' and formula 'y ~ x'
```



Nomor 3

```
ggplot(data=mpg, mapping=aes(x=displ, y=hwy, color=drv )) +  
  geom_point(size=6 ) +  
  geom_smooth(se=FALSE, size=3)
```

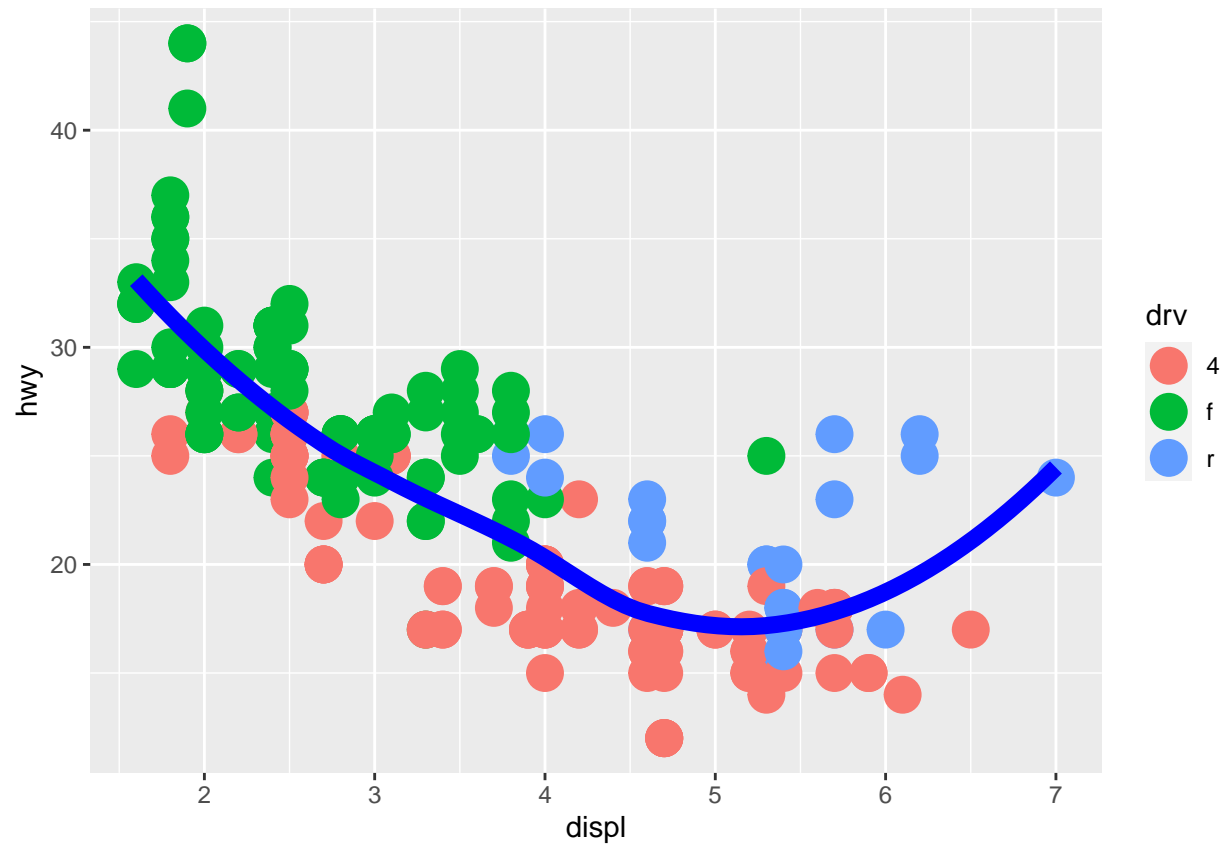
```
## `geom_smooth()` using method = 'loess' and formula 'y ~ x'
```



Nomor 4

```
ggplot(data=mpg, mapping=aes(x=displ, y=hwy, color=drv )) +
  geom_point( size=6) +
  geom_smooth(se=FALSE,color="blue", size=3)

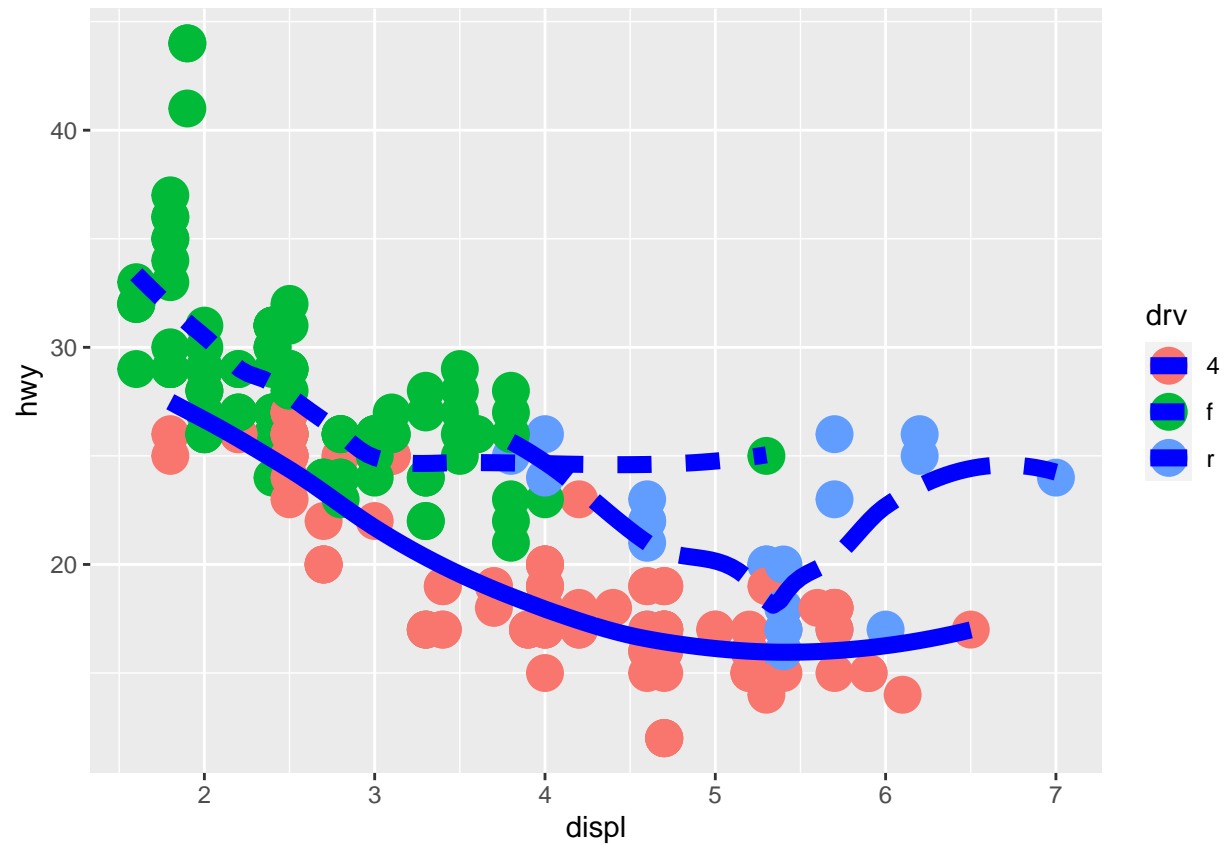
## `geom_smooth()` using method = 'loess' and formula 'y ~ x'
```



Nomor 5

```
ggplot(data=mpg, mapping=aes(x=displ, y=hwy, color=drv, linetype=drv )) +
  geom_point(size=6) +
  geom_smooth(se=FALSE, color="blue", size=3)
```

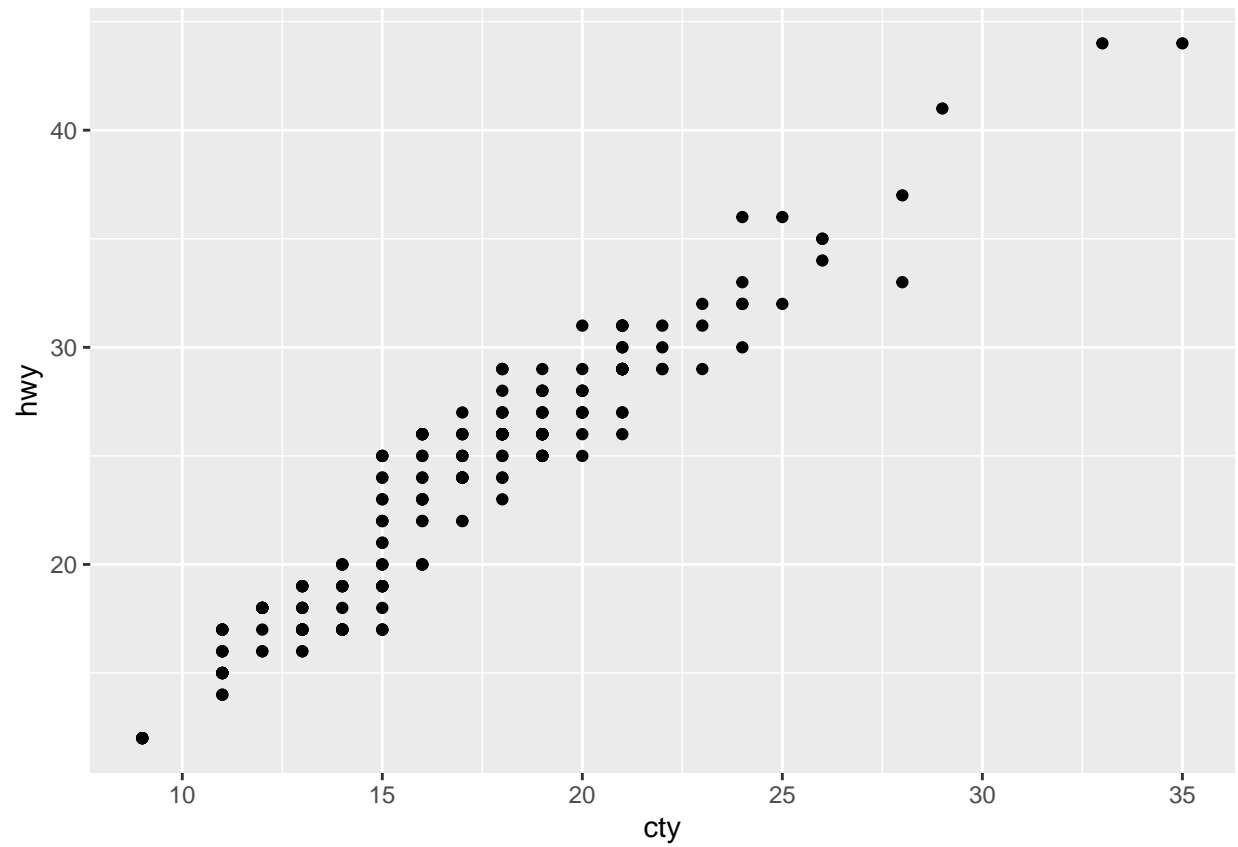
```
## `geom_smooth()` using method = 'loess' and formula 'y ~ x'
```



Nomor 6

Buat scatterplot antara 'cty' di sumbu x dan 'hwy' di sumbu y.

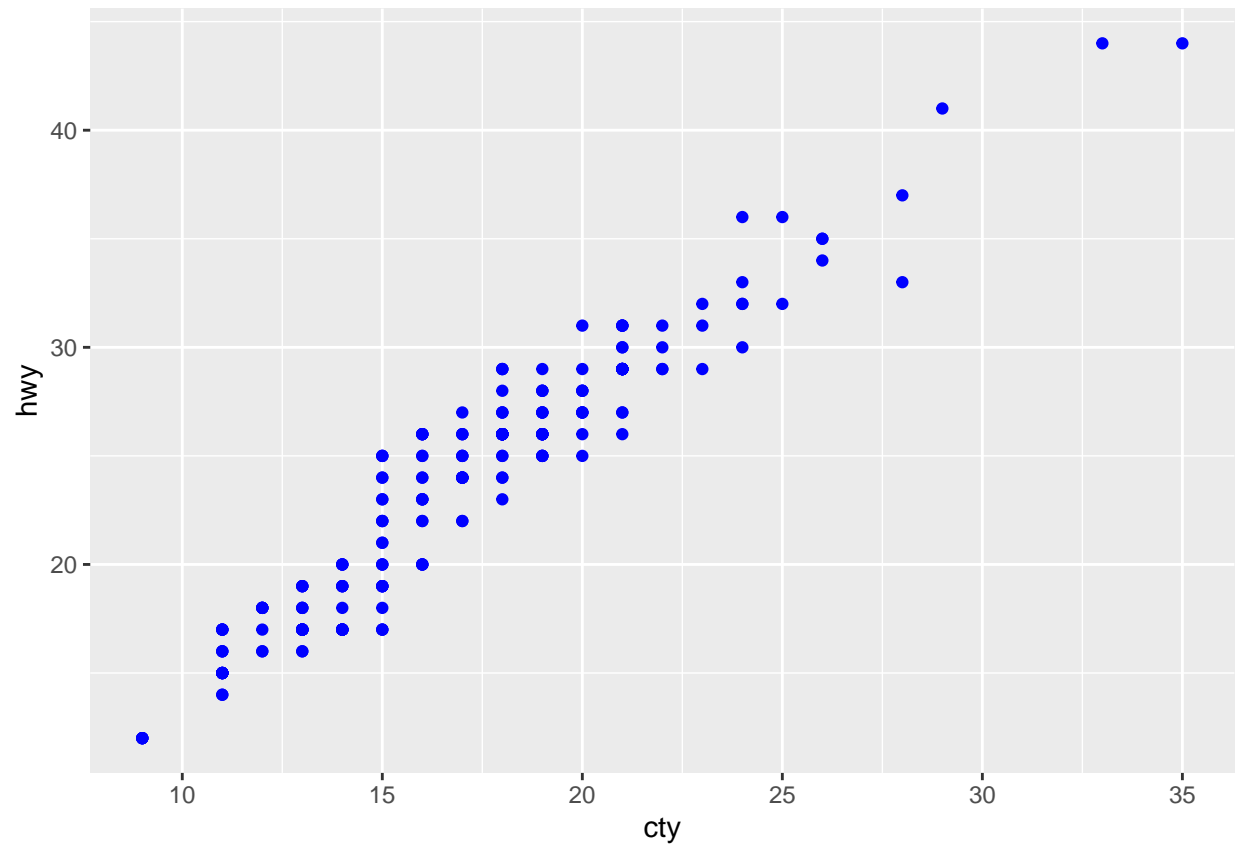
```
ggplot(data=mpg) +  
  geom_point(mapping = aes(x=cty, y=hwy))
```



Nomor 7

Warnai titik pada scatterplot di nomor 6 dengan warna biru.

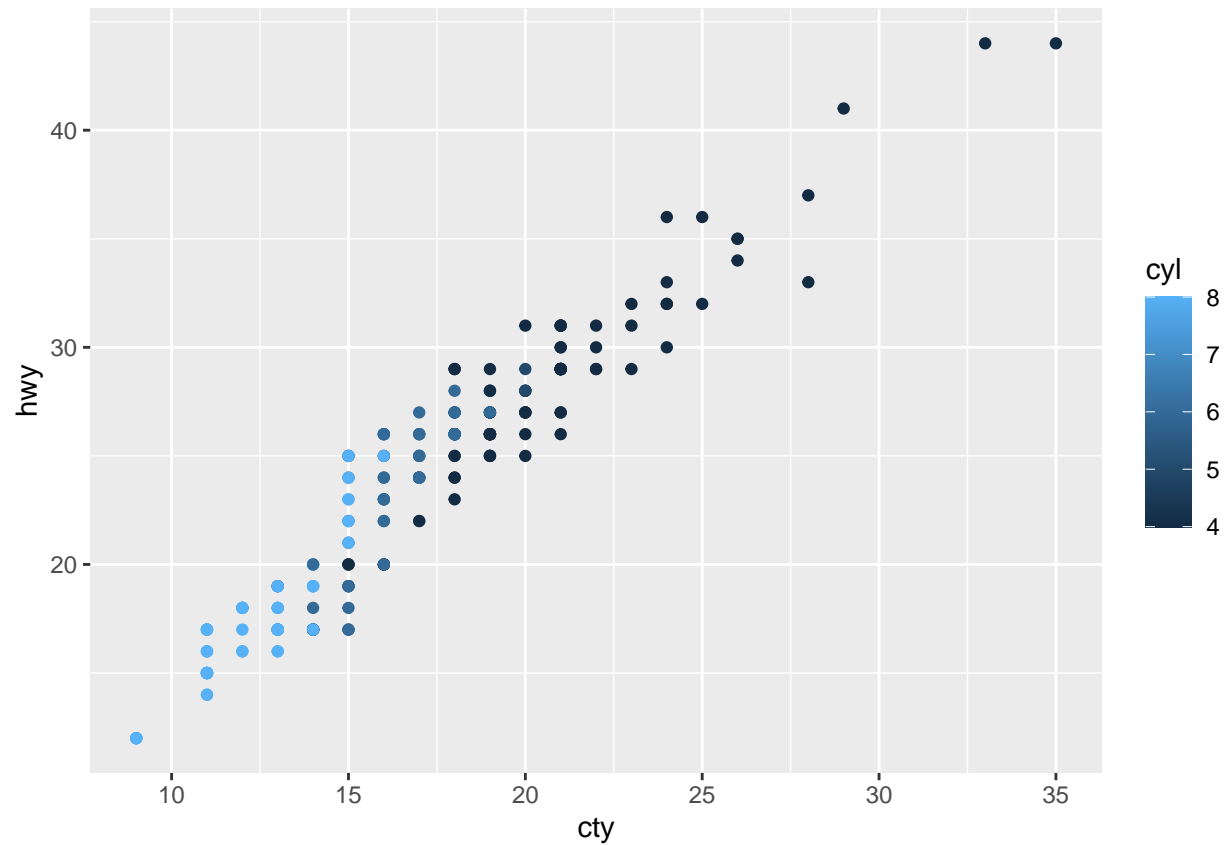
```
ggplot(data=mpg) +  
  geom_point(mapping = aes(x=cty, y=hwy), color="blue")
```



Nomor 8

Warnai titik pada scatterplot di nomor 6 berdasarkan banyaknya silinder ('cyl').

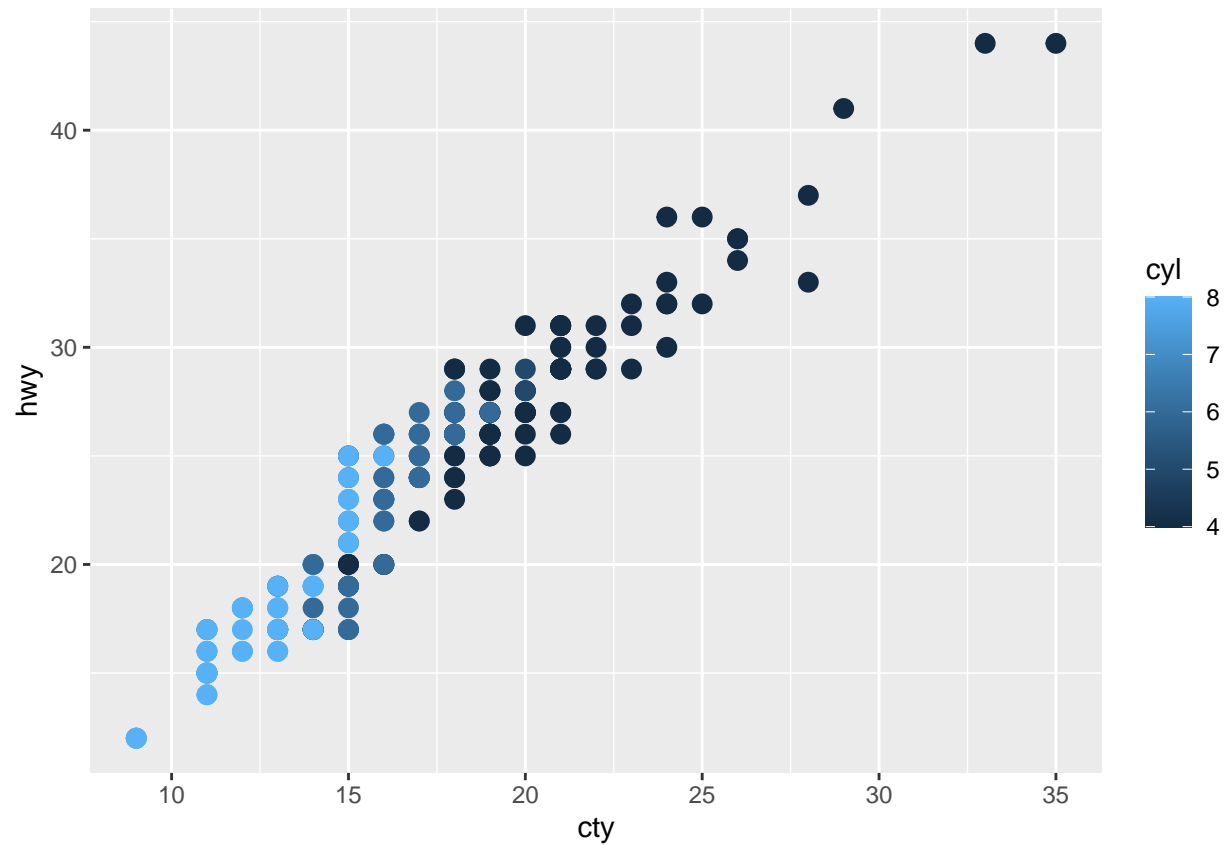
```
ggplot(data=mpg, mapping=aes(x=cty, y=hwy)) +  
  geom_point(aes(color = cyl))
```



Nomor 9

Buat titik pada scatterplot di nomor 8 dengan ukuran yang lebih besar, yaitu `size = 3`

```
ggplot(data=mpg, mapping = aes(x=cty, y=hwy)) +  
  geom_point(aes(color = cyl), size=3)
```

Nomor 10

Tambahkan garis yang diperhalus pada scatterplot nomor 6.

```
ggplot(data=mpg, mapping = aes(x=cty, y=hwy)) +  
  geom_point(aes(color = cyl), size=3) +  
  geom_smooth(se=FALSE)
```

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

