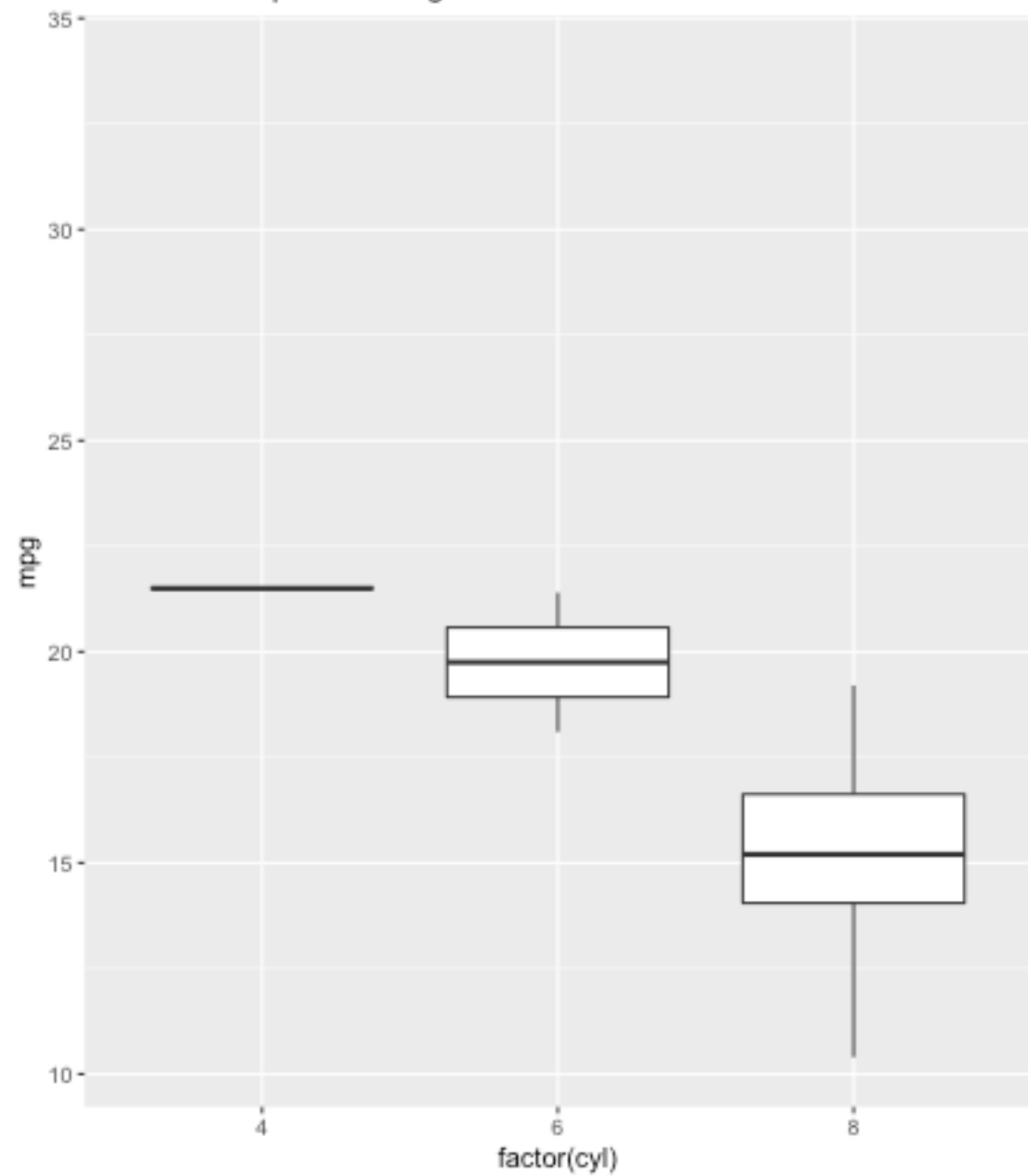






www.data-innaginginist.com/slides/user2018

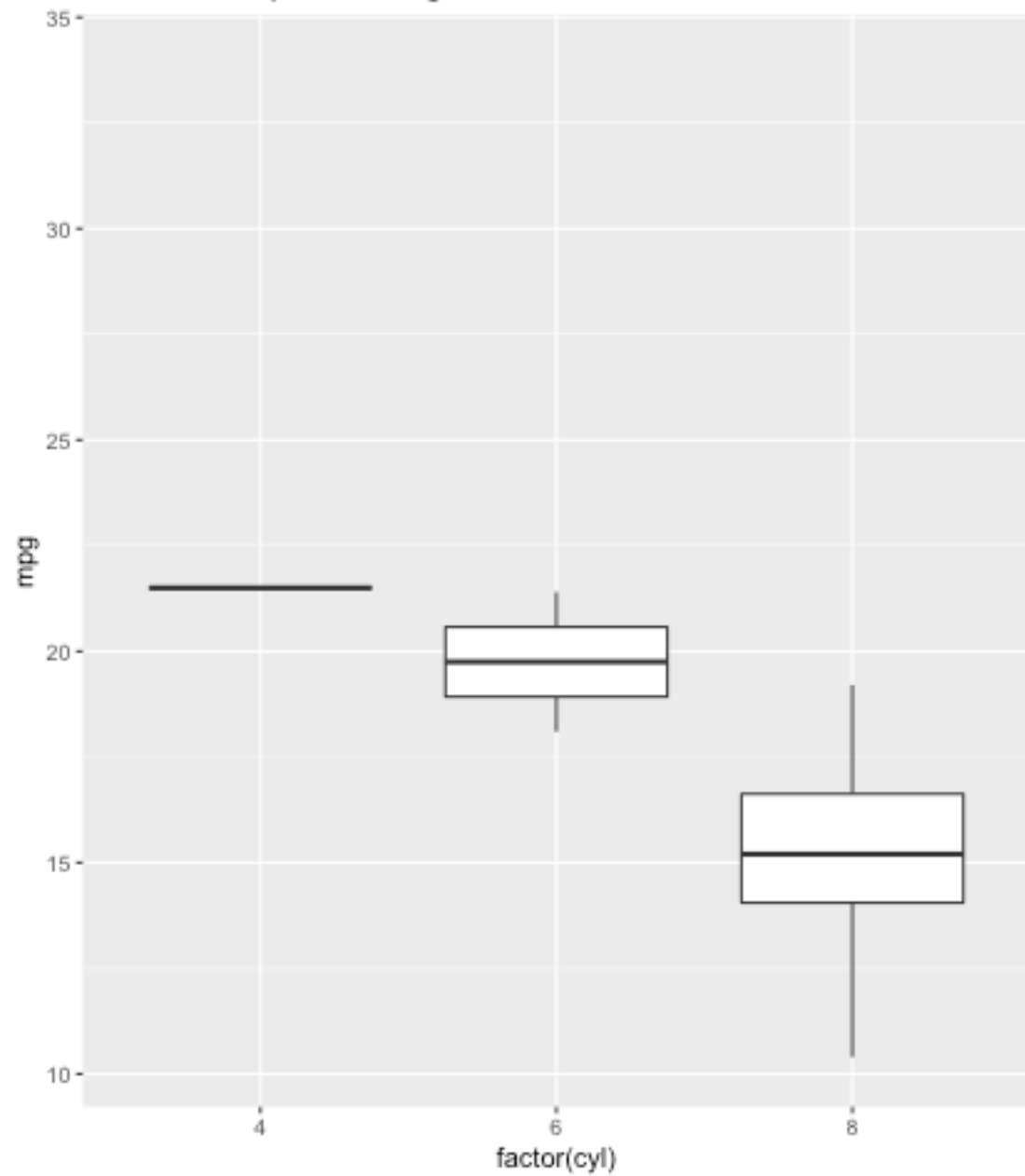
Fuel consumption for 3 gears



Enter/Exit

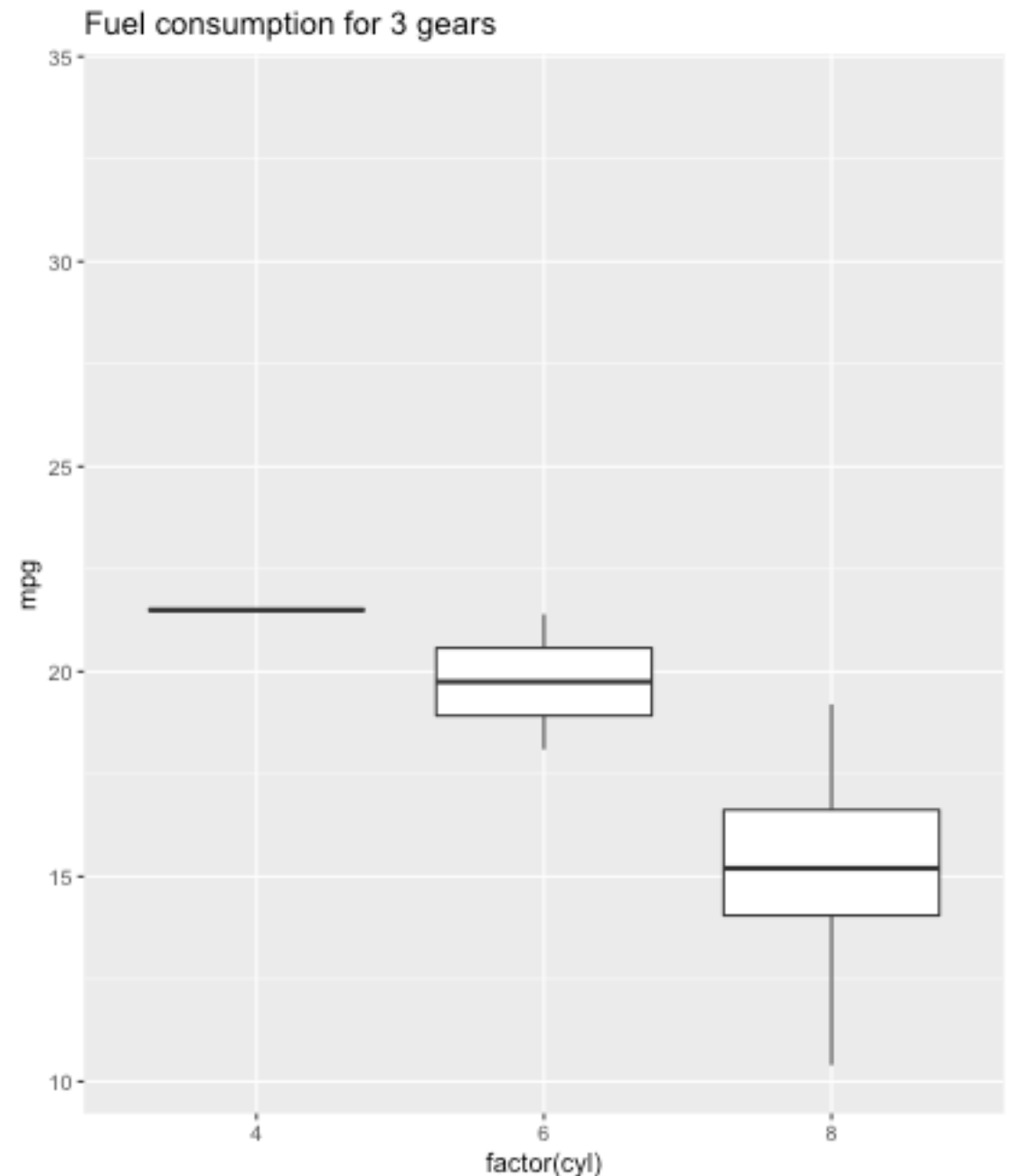
```
ggplot(mtcars) +  
  geom_boxplot(aes(factor(cyl), mpg)) +  
  transition_states(  
    gear,  
    transition_length = 2,  
    state_length = 1  
  ) +  
  labs(  
    title = 'Fuel consumption for  
{closest_state} gears'  
  ) +  
  enter_manual(function(x) {  
    x$x <- x$x + 3  
    x$xmin <- x$xmin + 3  
    x$xmax <- x$xmax + 3  
    x  
  }) +  
  exit_fade()
```

Fuel consumption for 3 gears



Enter / Exit

```
ggplot(mtcars) +  
  geom_boxplot(aes(factor(cyl), mpg)) +  
  transition_states(  
    gear,  
    transition_length = 2,  
    state_length = 1  
  ) +  
  labs(  
    title = 'Fuel consumption for  
{closest_state} gears'  
  ) +  
  enter_manual(function(x) {  
    x$x <- x$x + 3  
    x$xmin <- x$xmin + 3  
    x$xmax <- x$xmax + 3  
    x  
  }) +  
  exit_fade()
```



transition_time()

```
ggplot(gapminder, aes(
  x = gdpPercap,
  y = lifeExp,
  size = pop,
  colour = country
)) +
  geom_point(
    alpha = 0.7,
    show.legend = FALSE
  ) +
  scale_colour_manual(
    values = country_colors
  ) +
  scale_size(range = c(2, 12)) +
  scale_x_log10() +
  labs(
    title = 'Year: {frame_time}',
    x = 'GDP per capita',
    y = 'life expectancy'
  ) +
  transition_time(year) +
  ease_aes('linear')
```

