

# animated\_notebook

June 12, 2019

```
[1]: library(gifski)
library(png)
library(gganimate)
```

Loading required package: ggplot2

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[5]: library(gifski)
library(gganimate)

ggplot(mtcars, aes(factor(cyl), mpg)) +
  geom_boxplot() +
  # Here comes the gganimate code
  transition_states(
    gear,
    transition_length = 2,
    state_length = 1
  ) +
  enter_fade() +
  exit_shrink() +
  ease_aes('sine-in-out')
```

```
[2]: head(iris, n = 5)
head(mtcars, n = 5)
```

Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	Species											
5.1	3.5	1.4	0.2	setosa											
4.9	3.0	1.4	0.2	setosa											
4.7	3.2	1.3	0.2	setosa											
4.6	3.1	1.5	0.2	setosa											
5.0	3.6	1.4	0.2	setosa											
					mpg	cyl	disp	hp	drat	wt	qsec	vs	am	gear	carb
Mazda RX4					21.0	6	160	110	3.90	2.620	16.46	0	1	4	4
Mazda RX4 Wag					21.0	6	160	110	3.90	2.875	17.02	0	1	4	4
Datsun 710					22.8	4	108	93	3.85	2.320	18.61	1	1	4	1
Hornet 4 Drive					21.4	6	258	110	3.08	3.215	19.44	1	0	3	1
Hornet Sportabout					18.7	8	360	175	3.15	3.440	17.02	0	0	3	2

```
[4]: ggplot(iris, aes(Species, Petal.Length, color=Species))+  
      geom_boxplot()+  
      transition_states(  
        Petal.Width,  
        transition_length = 6,  
        state_length = 1  
      )+  
      ease_aes('sine-in-out')
```