```r
1   install.packages("gapminder")
2   install.packages("ggplot2")
3   install.packages("gganimate")
4   library(gapminder)
5   library(ggplot2)# data visualisation
6   library(gganimate)# animation
7   gapminder
8   dim(gapminder)# dimensions
9   str(gapminder)
10  #histogram/density plot
11  ggplot(gapminder,aes(gdpPercap))+geom_histogram()
12  #dataset
13  #aesthetic-aes()
14  #geometry-geom()
15  #facet-subplots
16
17  #scatterplot
18  ggplot(gapminder,aes(gdpPercap,lifeExp,size=pop))+
19    geom_point(aes(color=continent),show.legend = FALSE)+
20    scale_size(range = c(2,12))+
21    scale_x_log10() +
22    facet_wrap(continent~.)+
23    labs(title = 'Year: {frame_time}', x = 'GDP per capita', y = 'life expectancy') +
24    transition_time(year) +
25    ease_aes('linear')
26  #anim <- animate(p)
27  #magick::image_write(anim, path="myanimation.gif")
28
29
30
```