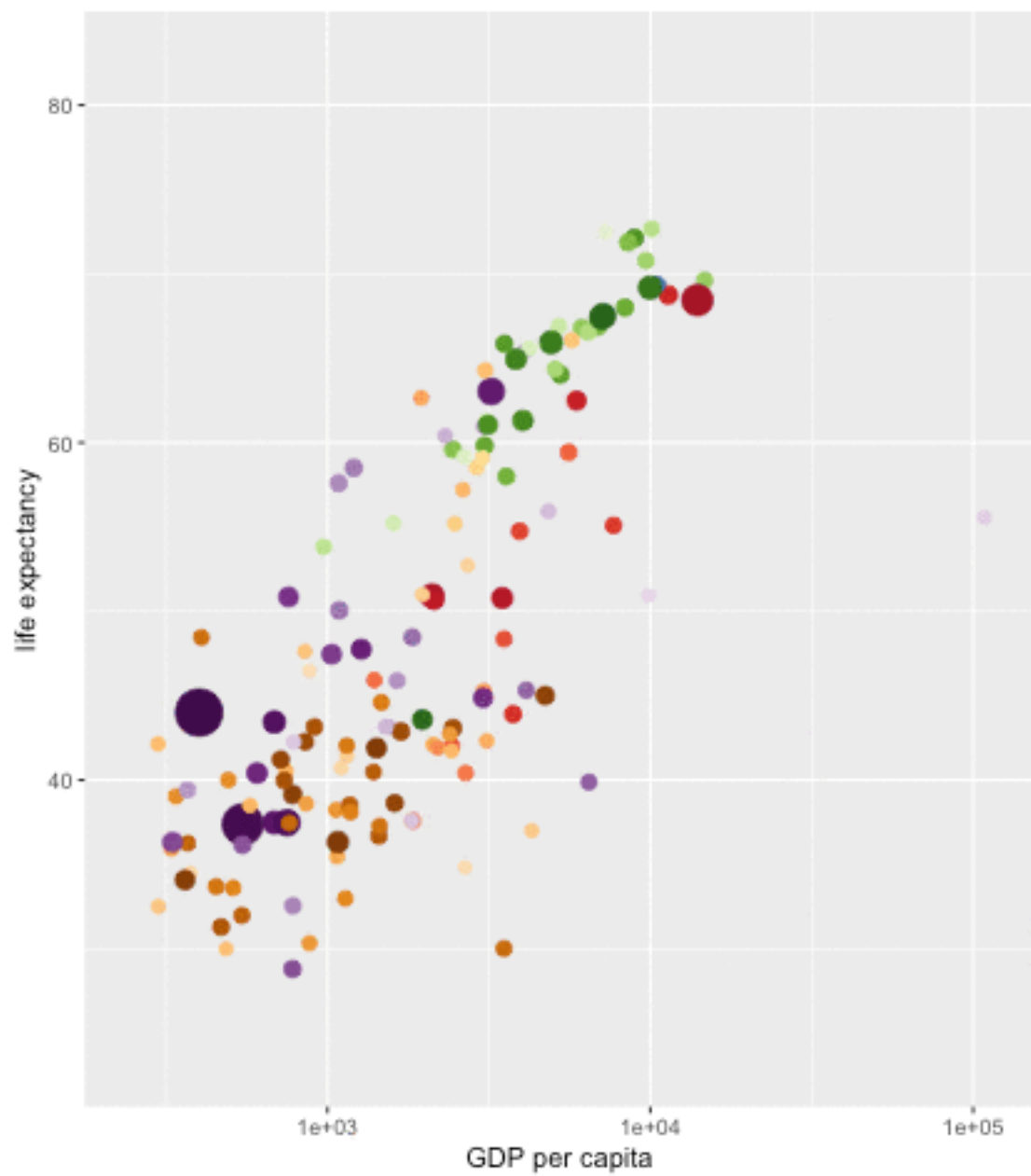






www.data-mining.inist.cn/slides/user2018

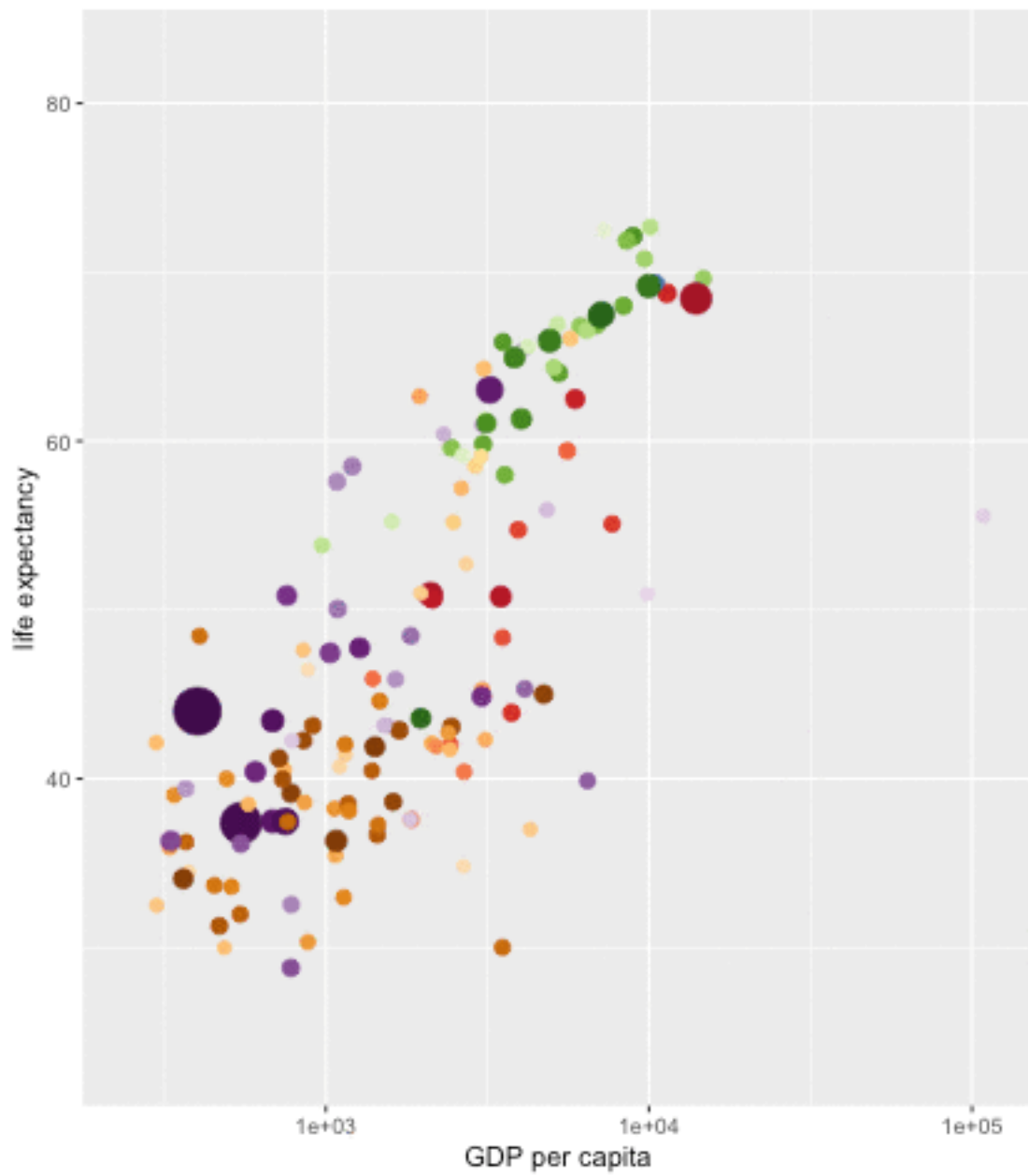
Year: 1952



shadow_wake()

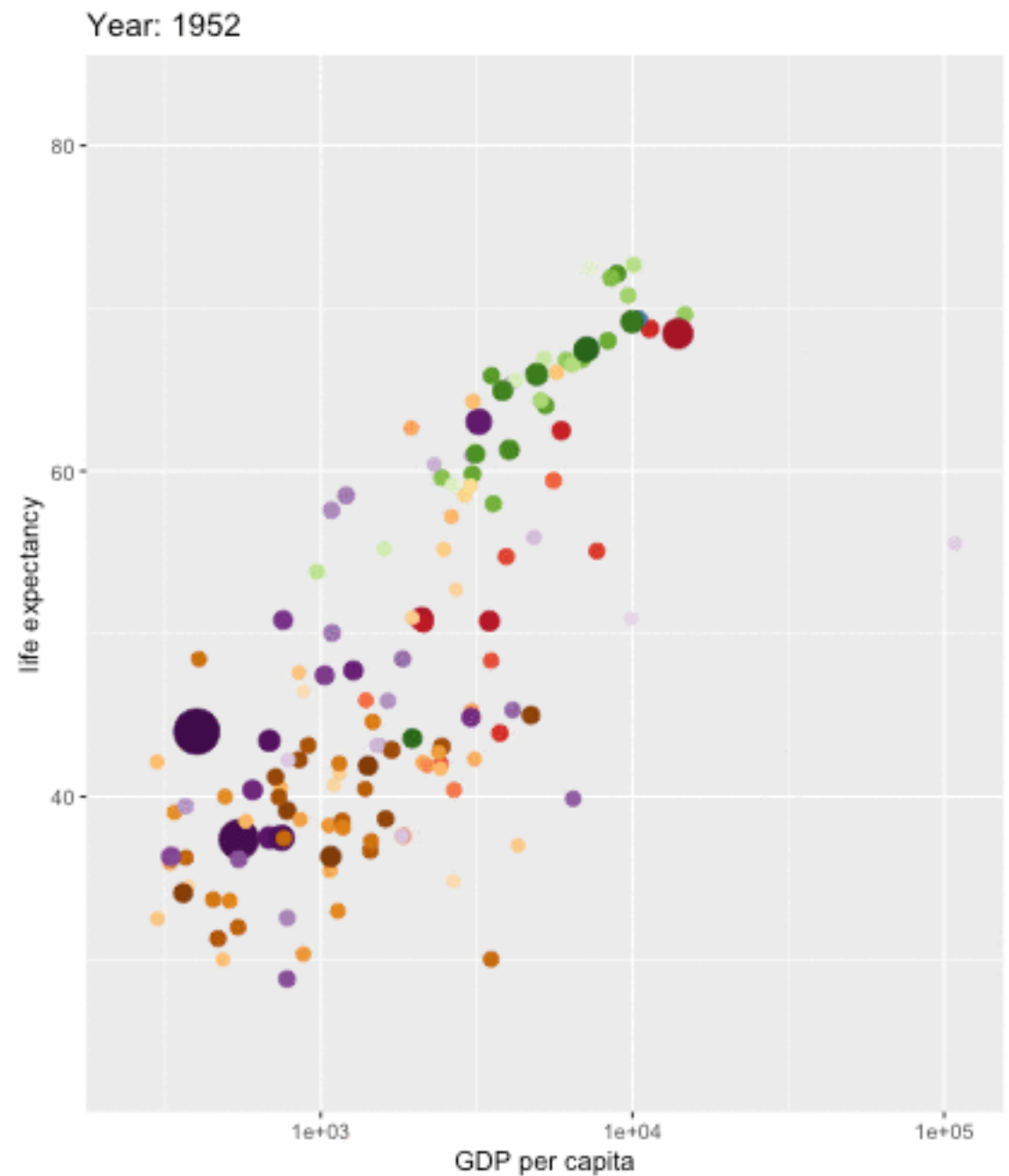
```
ggplot(gapminder, aes(...)) +  
  ... +  
  shadow_wake(0.15, wrap = FALSE)
```

Year: 1952



shadow_wake()

```
ggplot(gapminder, aes(...)) +  
  ... +  
  shadow_wake(0.15, wrap = FALSE)
```



transition_events()

```
ggraph(graph, 'lg1') +  
  geom_edge_link(  
    edge_colour = 'steelblue',  
    edge_width = 1  
  ) +  
  geom_node_point(  
    aes(size = degree),  
    show.legend = FALSE  
  ) +  
  scale_size_area(max_size = 4) +  
  ggtitle(  
    title = 'Human Interactions',  
    subtitle = 'Time of encounter  
{format(frame_time, "€šÀÜ%H:%M")}'  
  ) +  
  theme_graph() +  
  transition_events(  
    start = time,  
    enter_length = hms(hours = 3),  
    exit_length = hms(hours = 3)  
  ) +  
  enter_fade() +  
  exit_fade()
```

Human Interactions

Time of encounter 09:02

