## Life Expectancy in Continents over the years

Mir Afzal

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```
# Install libraries
library(ggplot2)
library(tidyr)
library(gganimate)
theme_set(theme_bw())
library(gapminder)
head(gapminder)
## # A tibble: 6 x 6
        country continent year lifeExp
                                                                         pop gdpPercap
        <fct>
                       <fct> <int> <dbl>
                                                                   <int>
                                                                                      <dbl>
## 1 Afghanistan Asia 1952 28.8 8425333

## 2 Afghanistan Asia 1957 30.3 9240934

## 3 Afghanistan Asia 1962 32.0 10267083

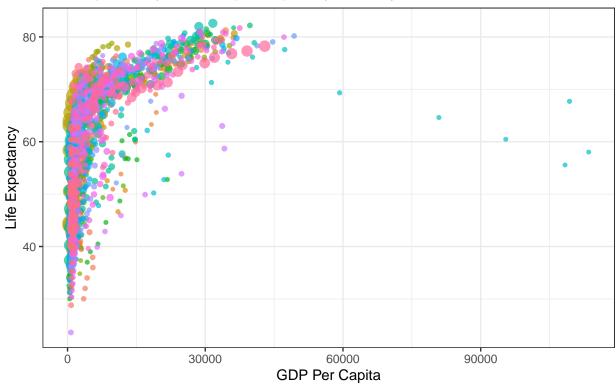
## 4 Afghanistan Asia 1967 34.0 11537966

## 5 Afghanistan Asia 1972 36.1 13079460

## 6 Afghanistan Asia 1977 38.4 14880372
                                                                                        779.
                                                                                        821.
                                                                                        853.
                                                                                        836.
                                                                                        740.
                                                                                        786.
```

## Graph 1: Life Expectancy in Continents over the years



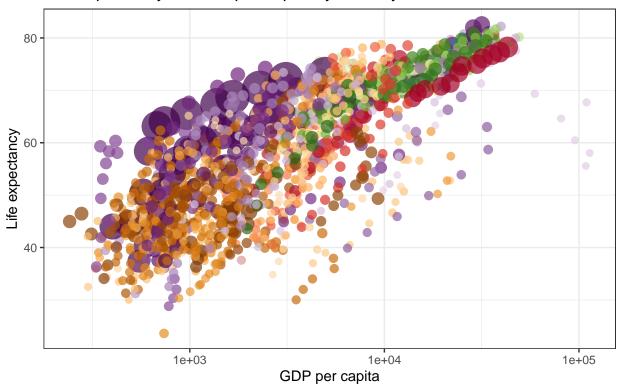


Source: Hans Rosling's Gapminder Data on Health and Wealth

```
plot5 = plot4 +
    #scale_color_viridis_d()
    scale_color_manual(values = country_colors)+
    scale_size(range = c(2, 12)) +
    scale_x_log10() +
    #labelling
    labs(x = "GDP per capita", y = "Life expectancy")

plot5
```

## Life Expectancy vs GDP per capita by Country



Source: Hans Rosling's Gapminder Data on Health and Wealth

```
#movement of the time
plot6 = plot5 + transition_time(year) +
    #time frame
  labs(title = "Year: {frame_time}") +
    #shadowing the movement
    shadow_wake(wake_length = 0.1, alpha = FALSE) +
    #marking the shadow
    shadow_mark(alpha = 0.3, size = 0.5) +
    #making frames
    facet_wrap(~continent) +
    view_follow(fixed_y = TRUE) +
    ease_aes('linear')
## save
    ## Save into git
  ####plot4.animate
  #### anim_save("gapminder plot9.gif")
```