

# Gapminder

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## Introduction

In this document, we will be exploring the Gapminder dataset.

## Observations of Gapminder

### Countries with life expectancy less than 30

```
gapminder %>% filter(lifeExp < 30)
```

```
## # A tibble: 2 x 6
##   country      continent  year lifeExp      pop gdpPercap
##   <fct>        <fct>    <int>  <dbl>   <int>    <dbl>
## 1 Afghanistan Asia      1952   28.8 8425333    779.
## 2 Rwanda      Africa    1992   23.6 7290203    737.
```

Life expectancy in **Rwanda** in 1992 was particularly low because of the *genocide* which occurred in that nation with inter-tribal warfare (refer ...).

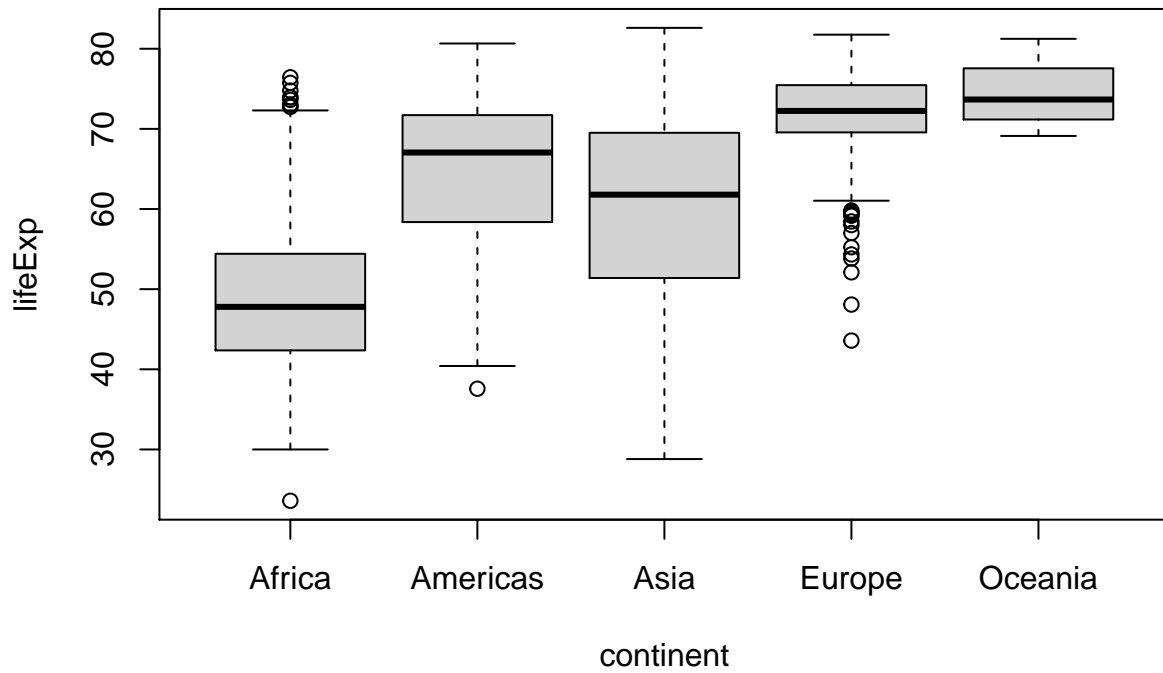
**Afghanistan** was in 1952 a monarchy and according to Wikipedia (in commenting on a purported election of the national assembly) noted that “*no census* of population has ever been undertaken” [https://en.wikipedia.org/wiki/1952\\_in\\_Afghanistan](https://en.wikipedia.org/wiki/1952_in_Afghanistan), so it is not clear how a reliable estimate of life expectancy was made!

### Countries with life expectancy greater than 81

```
gapminder %>% filter(lifeExp > 81) %>% arrange(-lifeExp)
```

```
## # A tibble: 7 x 6
##   country      continent  year lifeExp      pop gdpPercap
##   <fct>        <fct>    <int>  <dbl>   <int>    <dbl>
## 1 Japan      Asia      2007   82.6 127467972  31656.
## 2 Hong Kong, China Asia      2007   82.2  6980412  39725.
## 3 Japan      Asia      2002    82  127065841  28605.
## 4 Iceland    Europe     2007   81.8   301931  36181.
## 5 Switzerland Europe     2007   81.7   7554661  37506.
## 6 Hong Kong, China Asia      2002   81.5   6762476  30209.
## 7 Australia  Oceania    2007   81.2  20434176  34435.
```

## Life expectancy by continents in 2007



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.