

# Gapminder Exploration

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## Download Packages

```
install.packages('rmarkdown') install.packages('tibble') install.packages('gapminder') install.packages('DT')
```

## Data Exploration

```
summary(gapminder)
```

```
##           country      continent      year      lifeExp
## Afghanistan: 12 Africa :624 Min. :1952 Min. :23.60
## Albania : 12 Americas:300 1st Qu.:1966 1st Qu.:48.20
## Algeria : 12 Asia :396 Median :1980 Median :60.71
## Angola : 12 Europe :360 Mean :1980 Mean :59.47
## Argentina : 12 Oceania : 24 3rd Qu.:1993 3rd Qu.:70.85
## Australia : 12 Max. :2007 Max. :82.60
## (Other) :1632
##           pop      gdpPercap
## Min. :6.001e+04 Min. : 241.2
## 1st Qu.:2.794e+06 1st Qu.: 1202.1
## Median :7.024e+06 Median : 3531.8
## Mean :2.960e+07 Mean : 7215.3
## 3rd Qu.:1.959e+07 3rd Qu.: 9325.5
## Max. :1.319e+09 Max. :113523.1
##
```

```
names(gapminder)
```

```
## [1] "country" "continent" "year" "lifeExp" "pop" "gdpPercap"
```

```
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    779.
## 2 Afghanistan Asia      1957    30.3 9240934    821.
## 3 Afghanistan Asia      1962    32.0 10267083    853.
## 4 Afghanistan Asia      1967    34.0 11537966    836.
## 5 Afghanistan Asia      1972    36.1 13079460    740.
## 6 Afghanistan Asia      1977    38.4 14880372    786.
```

```
nrow(gapminder)
```

```
## [1] 1704
```

```
ncol(gapminder)
```

```
## [1] 6
```

```
tail(gapminder)
```

```
## # A tibble: 6 x 6
```

```
##   country continent  year lifeExp      pop gdpPercap
##   <fct>    <fct>    <int>   <dbl>    <int>   <dbl>
## 1 Zimbabwe Africa   1982    60.4  7636524    789.
## 2 Zimbabwe Africa   1987    62.4  9216418    706.
## 3 Zimbabwe Africa   1992    60.4 10704340    693.
## 4 Zimbabwe Africa   1997    46.8 11404948    792.
## 5 Zimbabwe Africa   2002    40.0 11926563    672.
## 6 Zimbabwe Africa   2007    43.5 12311143    470.
```