Gapminder Exploration

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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
##
```

Data Exploration Continued

```
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.
```

Data Exploration Continued

```
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.
```

Data Exploration Continued

```
nrow(gapminder)
```

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

```
ncol(gapminder)
```

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

```
names(gapminder)[1:3]
```

```
## [1] "country"   "continent" "year"
```

```
names(gapminder)[4:6]
```

```
## [1] "lifeExp"   "pop"       "gdpPercap"
```

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