Hw01\_gapminder.md

## Part 2: R Markdown for gapminder data exploration

### Extracting information about the dataframe

##### Viewing the first six lines

## # 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.

##### Viewing the dataframe type

## Classes 'tbl\_df', 'tbl' and 'data.frame': 1704 obs. of 6 variables:  
## $ country : Factor w/ 142 levels "Afghanistan",..: 1 1 1 1 1 1 1 1 1 1 ...  
## $ continent: Factor w/ 5 levels "Africa","Americas",..: 3 3 3 3 3 3 3 3 3 3 ...  
## $ year : int 1952 1957 1962 1967 1972 1977 1982 1987 1992 1997 ...  
## $ lifeExp : num 28.8 30.3 32 34 36.1 ...  
## $ pop : int 8425333 9240934 10267083 11537966 13079460 14880372 12881816 13867957 16317921 22227415 ...  
## $ gdpPercap: num 779 821 853 836 740 ...

### Plotting

Here is a scatterplot of life expectancy

