570 markdown report

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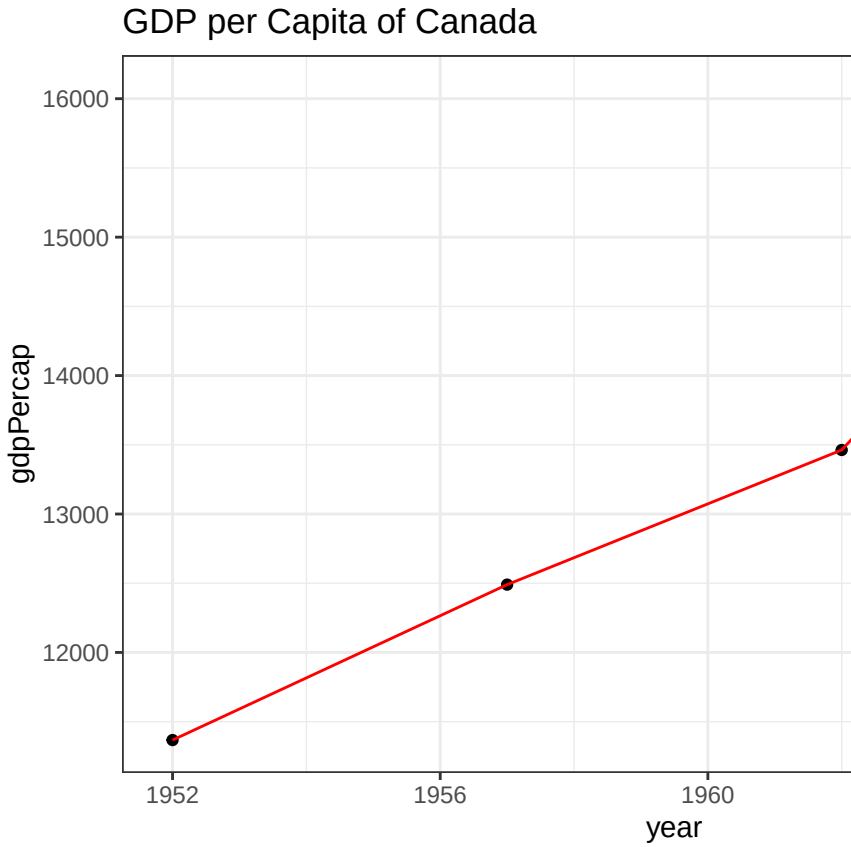
#Question 1-4

```
#Create a single table spanning 1952-1967 with the following columns: continent, country, year, lifeExp
merged <- merge(gdp52_67, le52_67, by =c("country", "continent", "year"))
col_order <- c("continent", "country", "year", "lifeExp", "pop", "gdp")
gdpLe <- merged[, col_order]
```

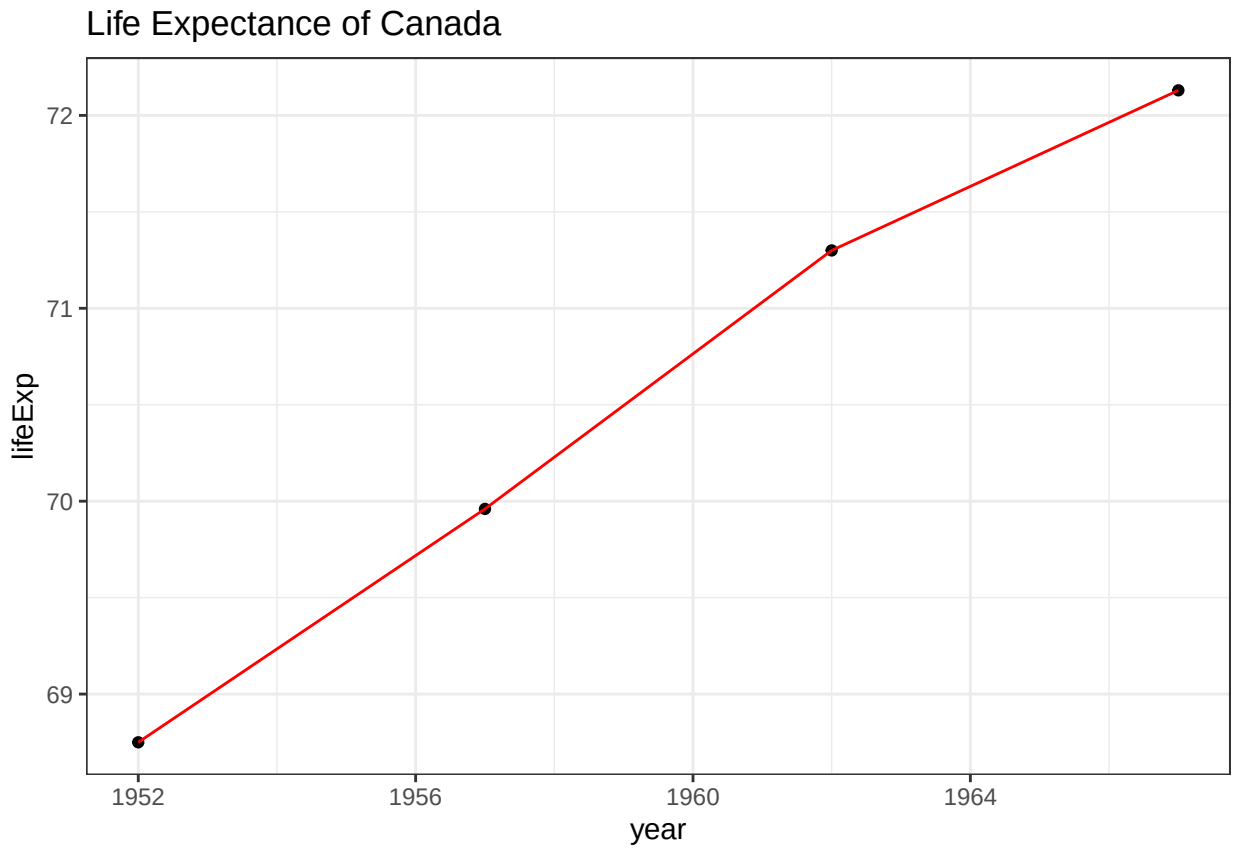
#5. Calculate GDP per capita and name it gdpPercap

```
gdpLe$gdpPercap <- gdpLe$gdp/gdpLe$pop
```



#6.Visualize GDP per capita over time for Canada

#Visualize life expectancy and GDP per capita over time for Canada in the 1950s and 1960s using a line plot



#7.Regress life expectancy on gdp per capita and display the regression table. Don't worry about the ancillary stats.

```
##
## Call:
## lm(formula = lifeExp ~ gdpPercap, data = data_complete)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -47.936  -9.103  -1.796  11.651  18.706
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) 5.022e+01  3.812e-01   131.8   <2e-16 ***
## gdpPercap   4.910e-04  3.777e-05    13.0   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 11.46 on 1134 degrees of freedom
## Multiple R-squared:  0.1297, Adjusted R-squared:  0.129
## F-statistic:   169 on 1 and 1134 DF,  p-value: < 2.2e-16
```