Data 607 - TidyVerse CREATE assignment

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In this assignment, you'll practice collaborating around a code project with GitHub. You could consider our collective work as building out a book of examples on how to use TidyVerse functions.

GitHub repository: https://github.com/peterkowalchuk/FALL2023TIDYVERSE

FiveThirtyEight.com datasets.

Kaggle datasets.

Your task here is to Extend an Existing Example. Using one of your classmate's examples (as created above), extend his or her example with additional annotated code. (15 points)

Load Libraries

```
library(ggplot2)
library(dplyr)
```

```
##
## Attaching package: 'dplyr'
```

```
## The following objects are masked from 'package:stats':
##
##     filter, lag
```

```
## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```
library(ggthemes)
```

Read CSV

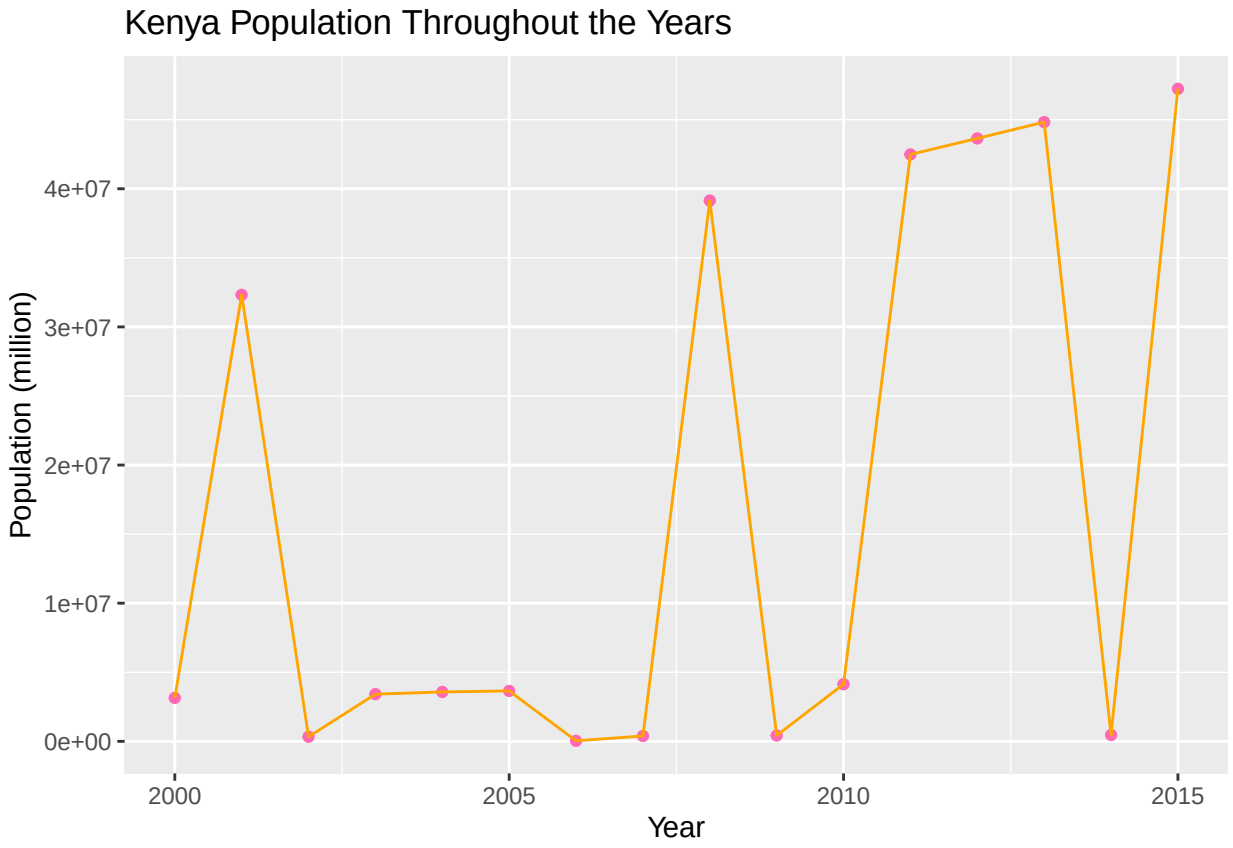
I wanted to view the population, HIV Deaths, and life expectancy of Kenya throughout the years. Original data can be found at the link : https://www.kaggle.com/datasets/amirhosseinmirzaie/countries-life-expectancy

```
Life_expectancy <- read.csv("https://raw.githubusercontent.com/Meccamarshall/Data607/main/life_expectan
colnames(Life_expectancy)
```

```
##  [1] "Country"              "Year"                 "Status"
##  [4] "Population"           "Hepatitis.B"          "Measles"
##  [7] "Polio"                "Diphtheria"           "HIV.AIDS"
## [10] "infant.deaths"        "under.five.deaths"    "Total.expenditure"
## [13] "GDP"                  "BMI"                  "thinness..1.19.years"
## [16] "Alcohol"              "Schooling"            "Life.expectancy"
```

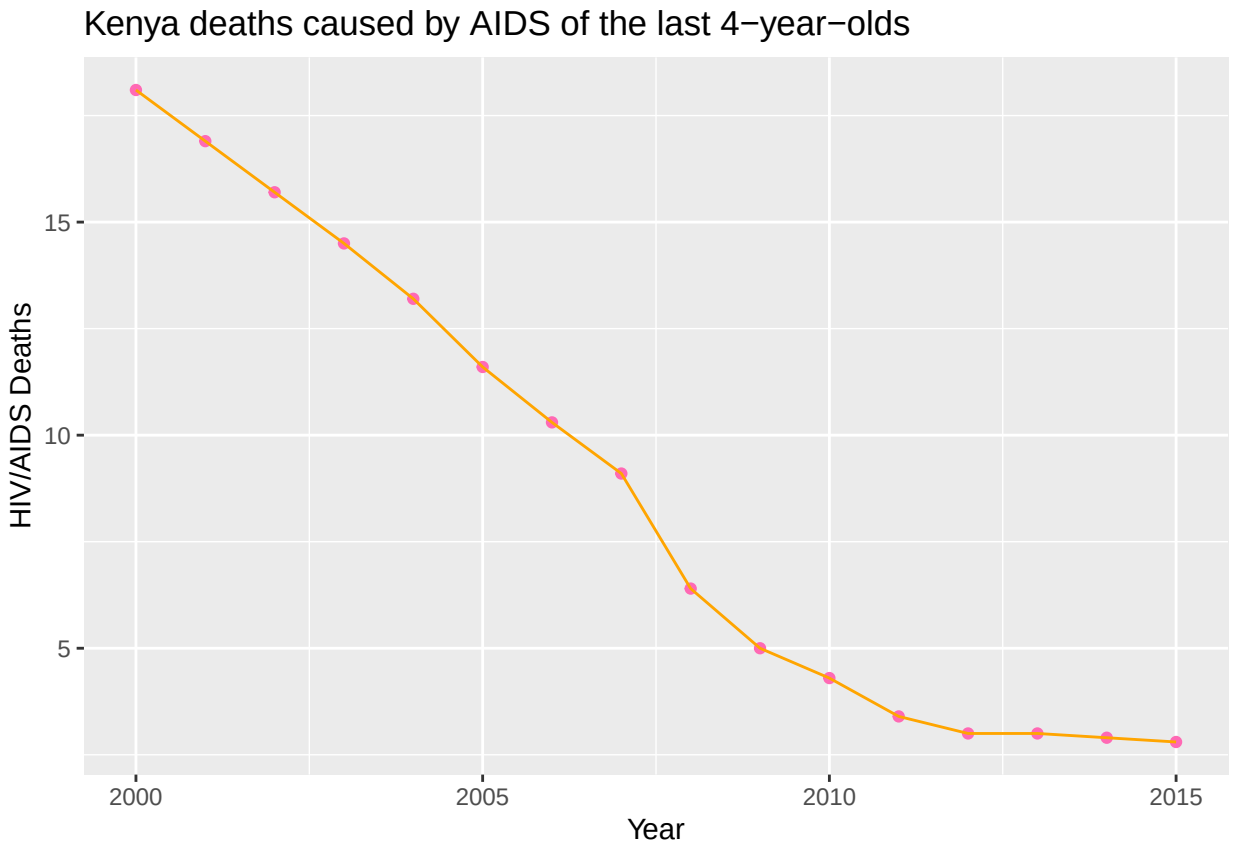
Kenya Population

```
Kenya_Population <- Life_expectancy%>%
filter(Country == "Kenya")%>%
ggplot(aes(Year, Population, group = 1)) + geom_point(na.rm=TRUE, color = "hotpink") + geom_line(na.rm='
  labs(title = "Kenya Population Throughout the Years", x = "Year", y = "Population (million)")
Kenya_Population
```



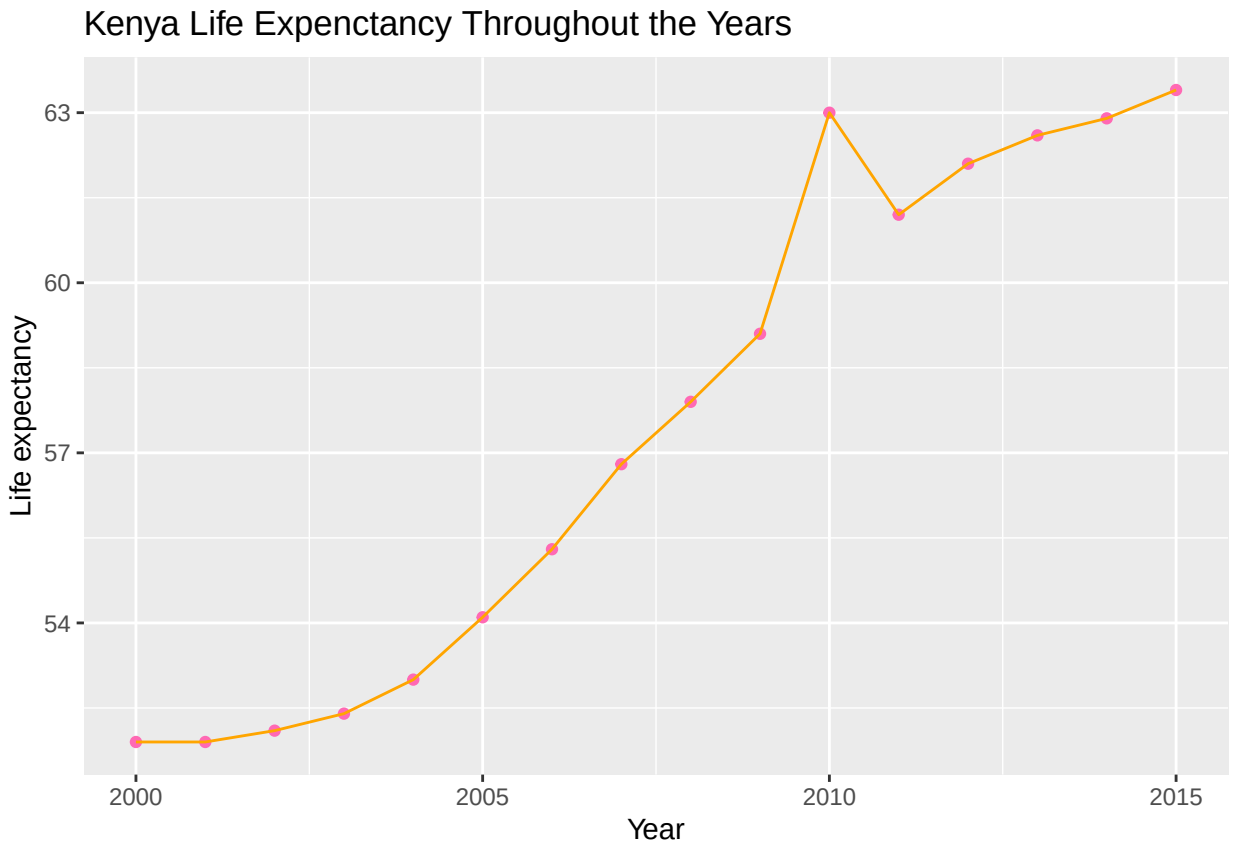
Kenya HIV Deaths

```
HIV_deaths_Kenya <- Life_expectancy%>%
filter(Country == "Kenya")%>%
ggplot(aes(Year, HIV.AIDS, group = 1)) + geom_point(na.rm=TRUE, color = "hotpink") + geom_line(na.rm=TRU
  labs(title = "Kenya deaths caused by AIDS of the last 4-year-olds", x = "Year", y = "HIV/AIDS Deaths"
HIV_deaths_Kenya
```



Kenya Life Expectancy

```
Kenya_Life_expectancy <- Life_expectancy%>%
filter(Country == "Kenya")%>%
ggplot(aes(Year, Life.expectancy, group = 1)) + geom_point(na.rm=TRUE, color = "hotpink") + geom_line(na
  labs(title = "Kenya Life Expenctancy Throughout the Years", x = "Year", y = "Life expectancy")
Kenya_Life_expectancy
```


Kenya Life Expenctancy Throughout the Years
Life expectancy
63
60
57
54
2000
2005
2010
2015
Year