R-Excercises

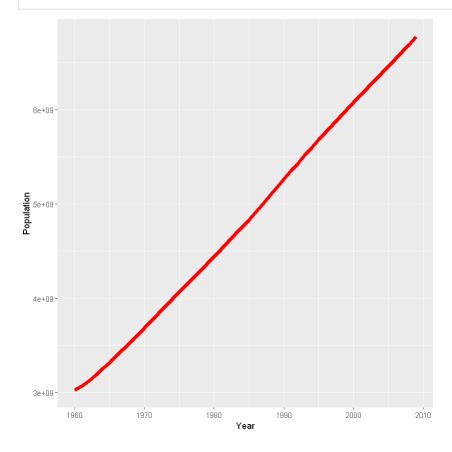
```
In [1]:
         # Import required packages
         library('magrittr')
         library("ggplot2")
         library("dplyr")
         library("xlsx")
        Attaching package: 'dplyr'
        The following objects are masked from 'package:stats':
            filter, lag
        The following objects are masked from 'package:base':
            intersect, setdiff, setequal, union
        java.home option:
        JAVA_HOME environment variable: C:\Users\meena\anaconda3\Library\lib\jvm
        Warning message in fun(libname, pkgname):
        "Java home setting is INVALID, it will be ignored.
        Please do NOT set it unless you want to override system settings."
In [2]:
         file = paste(getwd(), '/world-population.xlsm', sep = '')
         df = xlsx::read.xlsx(file, sheetIndex = 1, stringsAsFactors = FALSE)
In [3]:
         df
         A data.frame: 50 × 2
                Population
          Year
         <dbl>
                    <dbl>
          1960 3028654024
          1961 3068356747
          1962 3121963107
          1963 3187471383
          1964 3253112403
          1965 3320396924
          1966 3390712300
          1967 3460521851
          1968 3531547287
```

Year	Population
<dbl></dbl>	<dbl></dbl>
1969	3606994959
1970	3682870688
1971	3761750672
1972	3839147707
1973	3915742695
1974	3992806090
1975	4068032705
1976	4141383058
1977	4214499013
1978	4288485981
1979	4363754326
1980	4439638086
1981	4516734312
1982	4595890494
1983	4675178812
1984	4753877875
1985	4834206631
1986	4918126890
1987	5004006066
1988	5090899475
1989	5178059174
1990	5266783430
1991	5351836347
1992	5433823608
1993	5516863641
1994	5598658151
1995	5681689325
1996	5762235749
1997	5842585301
1998	5921799957
1999	6001269553
2000	6078274622

Year	Population
<dbl></dbl>	<dbl></dbl>
2001	6155652495
2002	6232413711
2003	6309266583
2004	6385778679
2005	6462054420
2006	6538196688
2007	6614396907
2008	6692030277
2009	6775235741

R - Line Chart

In [8]: ggplot2::ggplot(data=df, ggplot2::aes(x=Year, y=Population)) + ggplot2::geom_line(linet



R - Step Chart

In [9]: ggplot2::ggplot(data=df, ggplot2::aes(x=Year, y=Population)) + ggplot2::geom_step(linet

