# R Code

In [6]:
```r
library(ggplot2)
library(readxl)
library(scales)


df <- read_excel("world-population.xlsm", sheet ="world-population")
head(df)


options(repr.plot.width = 5, repr.plot.height = 3)
ggplot(df, aes(x =Year, y =Population)) +
    geom_line(size = .6, color='#008FAD') +
    theme_classic() +
    theme(text = element_text(family="sans",size =10, color="black"), element_line(size = .4),
          plot.title = element_text(size = 12)) +
    expand_limits(y = c(0, NA)) +
    scale_y_continuous(labels = unit_format(unit = "B", scale = 1e-9)) +
    xlab("Year") + ylab("Population in Billion") +
    ggtitle("R - Line Chart: Population by Year")


options(repr.plot.width = 5, repr.plot.height = 3)
ggplot(df, aes(x =Year, y =Population)) +
    geom_step(size = .6, color='#AD5203') +
    theme_classic() +
    theme(text = element_text(family="sans",size =10, color="black"), element_line(size = .4),
          plot.title = element_text(size = 12)) +
    expand_limits(y = c(0, NA)) +
    scale_y_continuous(labels = unit_format(unit = "B", scale = 1e-9)) +
    xlab("Year") + ylab("Population in Billion") +
    ggtitle("R - Step Chart: Population by Year")
```