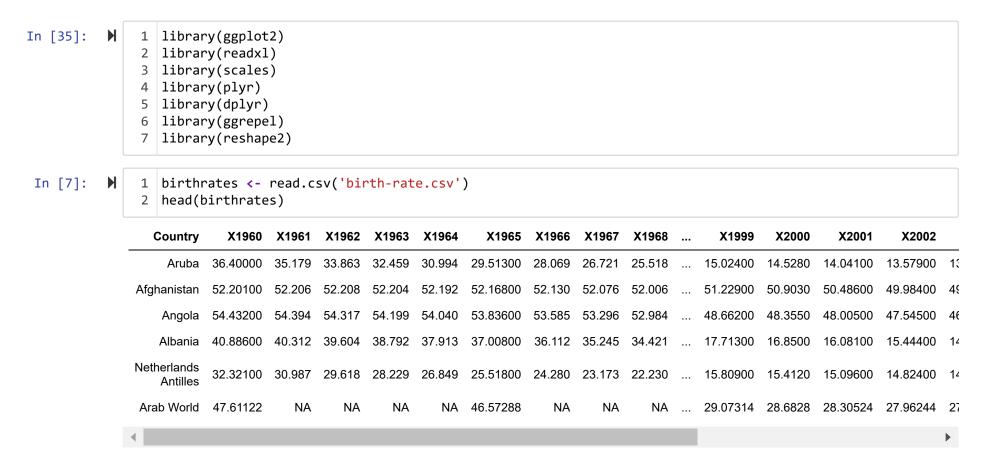
R Script

Assignment 6.2: Histogram, Boxplot, Bullet Chart, Parallel Coordinate

DSC640

Taniya Adhikari

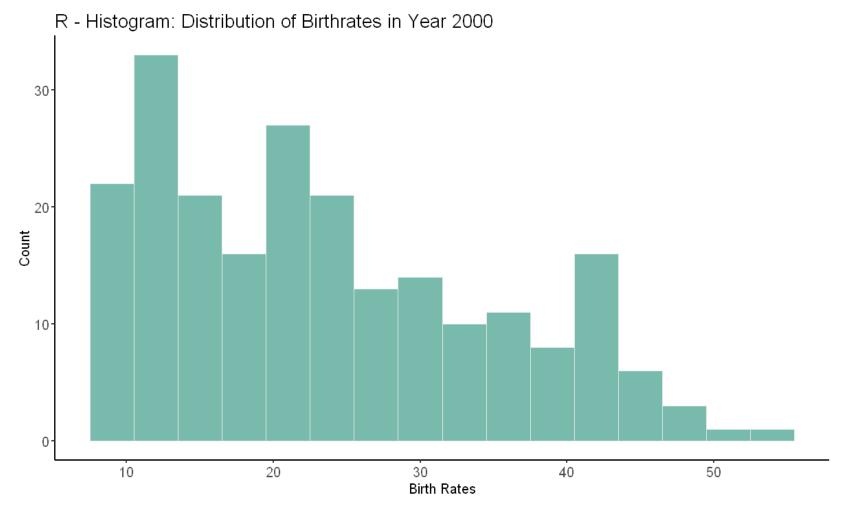


R - Histogram

```
In [21]:
    1 options(repr.plot.width =10, repr.plot.height =6)
     2
    3 # plot
      p <- birthrates %>%
         ggplot(aes(x=X2000)) +
           geom histogram( binwidth=3, fill="#69b3a2", color="#e9ecef", alpha=0.9) +
           ggtitle("Bin size = 30")
       p + theme classic() +
         theme(text = element text(family="sans", size =12, color="black"), element line(size = .6),
                plot.title = element text(size = 16), axis.text.x = element text(size=12),
    10
    11
                axis.text.y = element text(size=12))+
   12 ylab("Count") +
   13 xlab("Birth Rates") +
         ggtitle("R - Histogram: Distribution of Birthrates in Year 2000")
    14
    15
```

Warning message:

"Removed 11 rows containing non-finite values (stat bin)."



R - Bubble Chart

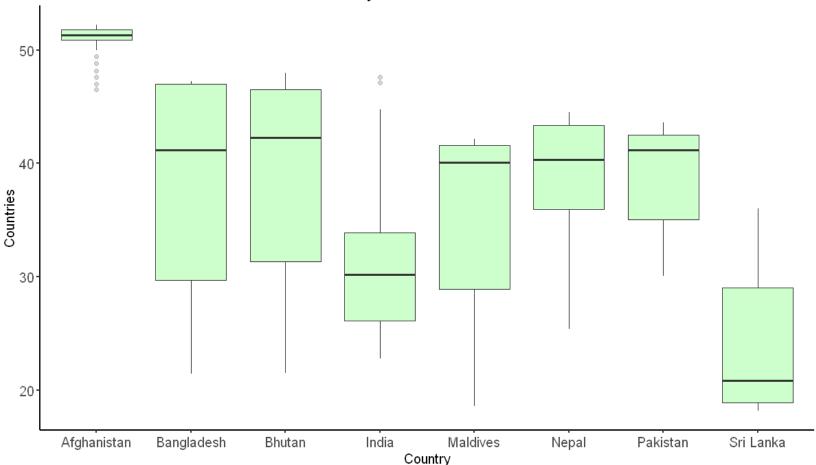
Using Country as id variables

Country	variable	value
Afghanistan	X1960	52.201
Bangladesh	X1960	47.258
Bhutan	X1960	47.945
India	X1960	47.580
Sri Lanka	X1960	36.046
Maldives	X1960	41.741

Warning message:

"Removed 36 rows containing non-finite values (stat boxplot)."

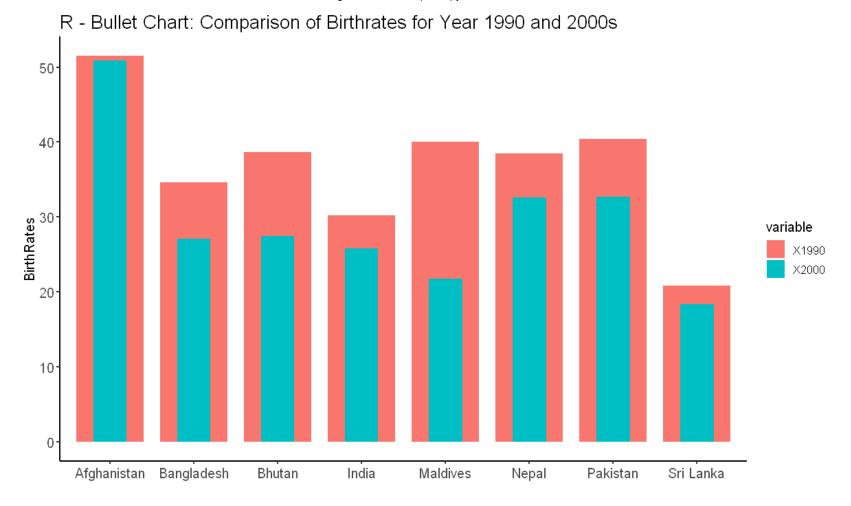
R - Box Plot: Distribution of Birthrates by Countries



R - Density Plot

Warning message:

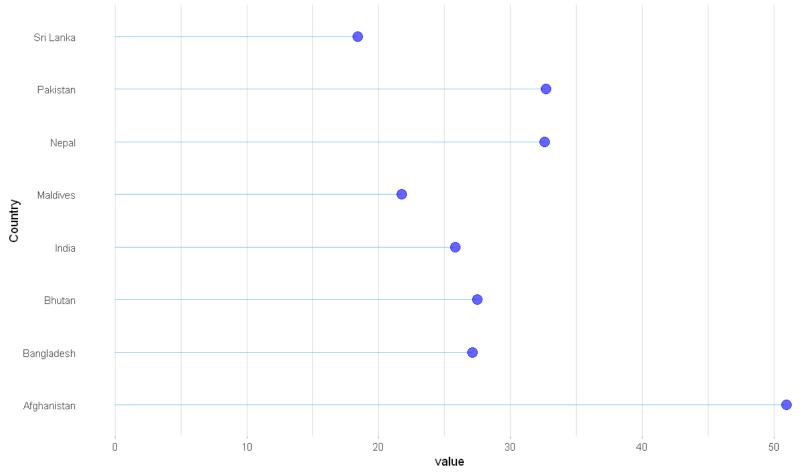
"position stack requires non-overlapping x intervals"



R - Lolliop Chart

```
In [69]:
H
     1 # Horizontal version
       ggplot(dt5, aes(Country, y=value)) +
         geom_segment( aes(x=Country, xend=Country, y=0, yend=value), color="skyblue") +
         geom_point( color="blue", size=4, alpha=0.6) +
         theme_light() +
     5
     6
         coord_flip() +
     7
         theme(
     8
           panel.grid.major.y = element_blank(),
     9
           panel.border = element_blank(),
           axis.ticks.y = element_blank()
    10
    11
    12 | ggtitle("R - Lollipop Chart: Birthrates by Countries")
```

R - Lollipop Chart: Birthrates by Countries



In []: 🕨 1