Pie Chart

Ananda Biswas

```
raw_data <- read.csv('https://raw.githubusercontent.com/sakunisgithub/data_sets/refs/heads/master/performance_of_national_parties_in_general_election_2019.csv')
```

```
summary(raw_data)
```

```
##  name_of_the_party  candidates_contested candidates_won
##  Length:7           Min.   : 34.0        Min.   :  2.00
##  Class :character   1st Qu.: 55.5        1st Qu.:  4.00
##  Mode  :character   Median : 69.0        Median : 10.00
##                     Mean   :207.7        Mean   : 56.71
##                     3rd Qu.:402.0        3rd Qu.: 37.00
##                     Max.   :436.0        Max.   :303.00
##  number_of_votes_secured
##  Min.   :  3576184
##  1st Qu.:  9622620
##  Median : 22246501
##  Mean   : 59795621
##  3rd Qu.: 72212272
##  Max.   :229076879
```

```
data.1 <- raw_data[,c("name_of_the_party", "number_of_votes_secured")]
print(data.1)
```

```
##   name_of_the_party number_of_votes_secured
## 1              AITC                24929330
## 2               BSP                22246501
## 3               BJP               229076879
## 4               CPI                 3576184
## 5            CPI(M)                10744908
## 6               INC               119495214
## 7               NCP                 8500331
```

```
summary(data.1)
```

```
##  name_of_the_party  number_of_votes_secured
##  Length:7           Min.   :  3576184
##  Class :character   1st Qu.:  9622620
##  Mode  :character   Median : 22246501
##                     Mean   : 59795621
##                     3rd Qu.: 72212272
##                     Max.   :229076879
```

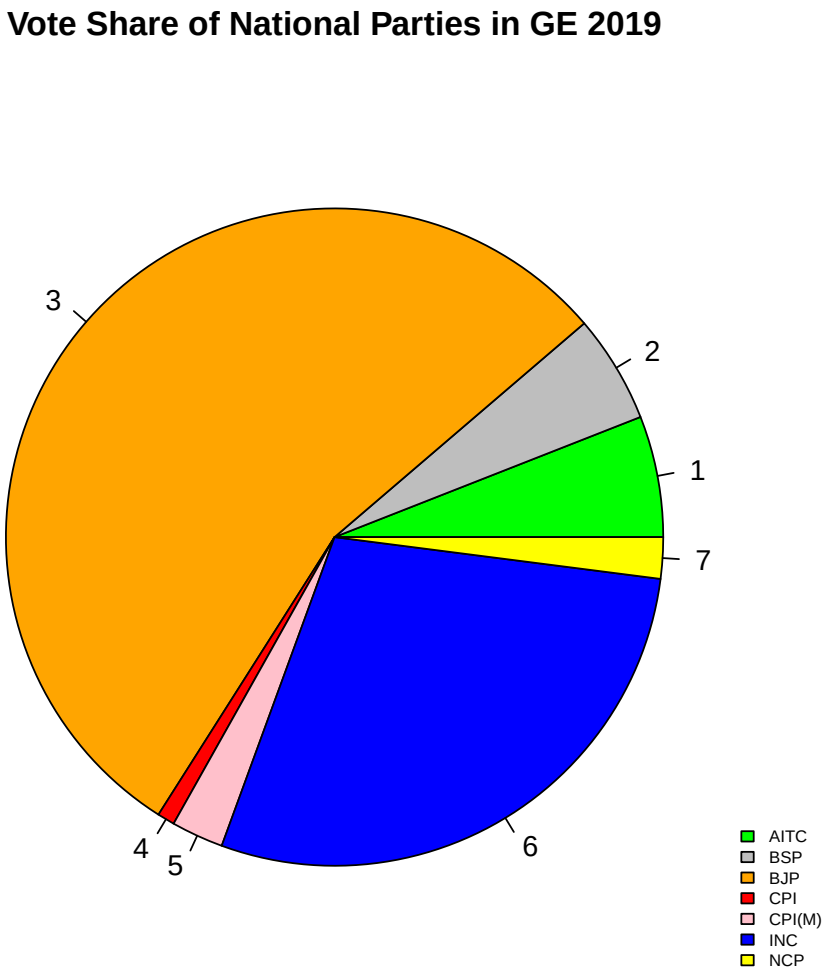
```
slices <- c(data.1$number_of_votes_secured)

party_name <- c(data.1$name_of_the_party)

party_color <- c("green", "grey", "orange", "red", "pink", "blue", "yellow")

pie(slices, main = "Vote Share of National Parties in GE 2019", col = party_color)

legend("bottomright",
       legend = data.1$name_of_the_party,
       fill = party_color,
       cex = 0.60,
       bty = "n")
```



- *bty* implies borer-type.

```r
slice <- c(data.1$number_of_votes_secured)

party_names <- c("AITC", "BSP", "BJP", "CPI", "CPI(M)", "INC", "NCP")

party_colors <- c("green", "grey", "orange", "red", "pink", "blue", "yellow")

percentage <- round(slice/sum(slice)*100)

lbs <- paste(party_names, percentage, "%", sep = " ")

pie(slice,
    labels = lbs,
    main = "Vote Share of Different Political Parties in General Election 2019",
    clockwise = TRUE, # by default it is set to FALSE
    col = party_colors)
```