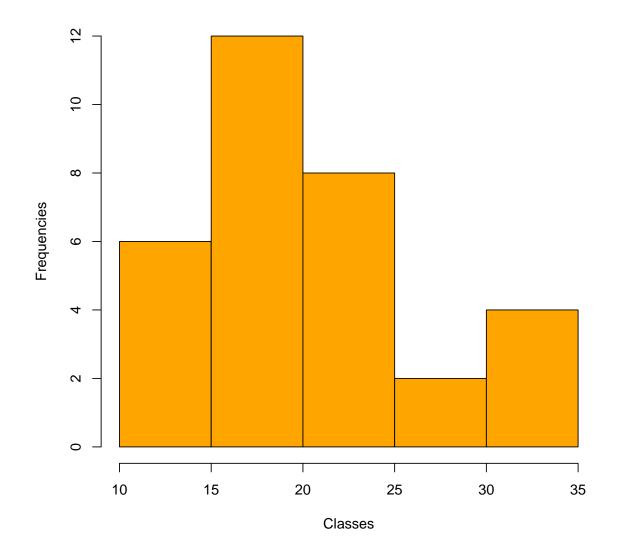
Histogram

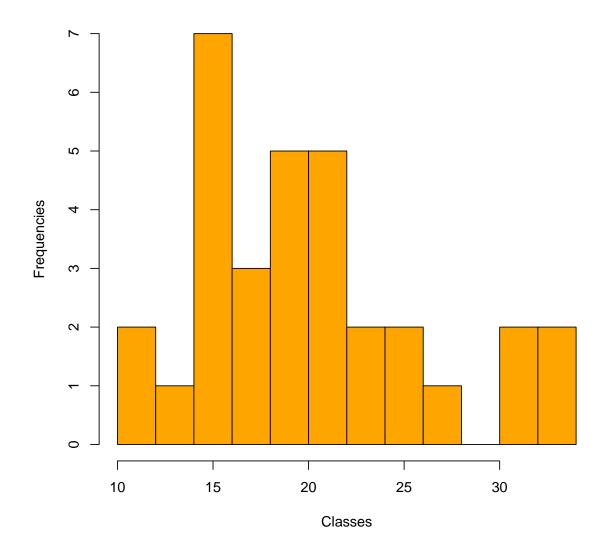
Ananda Biswas

```
hist(mtcars$mpg,
xlab = "Classes",
ylab = "Frequencies",
col = "orange")
```

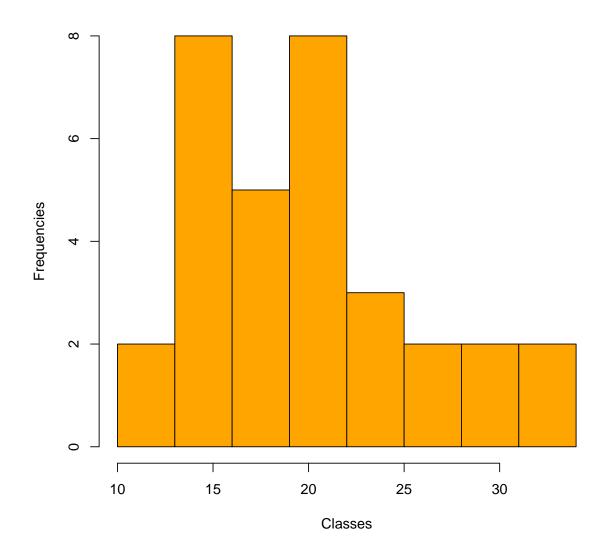


• When **breaks** is a number, it denotes the number of classes, i.e. the number of vertical cells in the diagram.

```
hist(mtcars$mpg,
 xlab = "Classes",
 ylab = "Frequencies",
 col = "orange",
 breaks = 10)
```

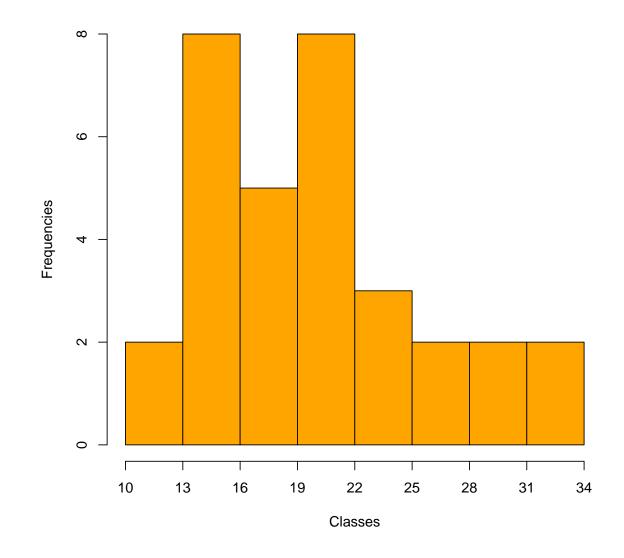


• When **breaks** is a vector, it gives the breakpoints between the histogram cells.



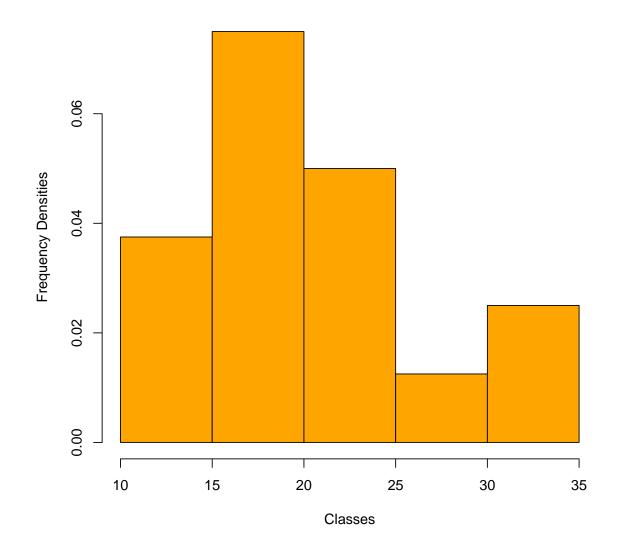
• xaxp = c(10, 34, 8) displays 8 equidistant breakpoints in the histogram, starting from 10 up to 34.

xaxt argument and axis() function can also be used here.

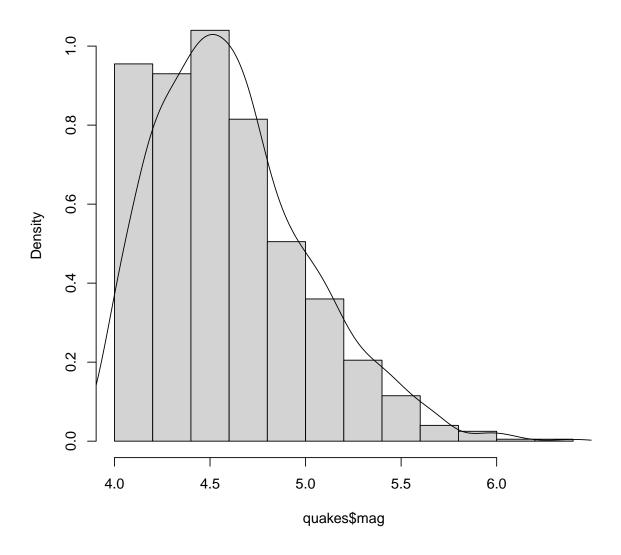


 \bullet Histogram with frequency density

```
hist(mtcars$mpg,
xlab = "Classes",
ylab = "Frequency Densities",
col = "orange",
probability = TRUE)
```



Histogram of quakes\$mag



• A plot that resembles a "discrete histogram" :

```
plot(table(airquality$Temp),
type = "h",
lwd = 5,
xlab = "Temperatures",
ylab = "Frequencies",
main = "Frequencies of the Temperatures",
col = "blue")
```

Frequencies of the Temperatures

