Module:5 Graphs and Charts

I Bar plot

> barplot()

- see can supply a vector or matrix as I/p

> If we supply a vector, the plot will have bars with their heights equal to the elt in the vector.

cg. temp= ((27,26, 23,24,26,28,25)

barplot Ctemp

min- heading

alab- a axis name (+ salasis)

glab - ga ais name

name ary- name of each bar

col- color name of bar

horiz- horizontal graph (horiz=TRUE)

density- shading (density-10)

border - bor border color.

Die cherk

function; pic(a)

eg: x= c C 1,1,1, 2,2,3,3,4,4,4)
y= table (a)
pieco 3+
> main: heading
→ piec y, main= "first")
-3 2 - input values
-> labels- to air labels names for strates
-> edga- circular ofp of pie is approximation garpaggot
with many edges [default: 200]
> radius - Lo change radius, default - 0.8, man-1
- elockwise to label in elockwise direction
Cclockeutse-7)
density to shaele pie
eg: density. ((10, 20, 30, 40) ->
dist. shading each slide
> col- to give colors
col- rain bow (15)
border to give border
border to give border border f
- Linetellion - Inlien
eu can make 3n by installing plot ria
eg: plesQ(g)
> pie 3DCY, emplode=.2)

Histogram

(quantitative data plotting)

2=c(1,1,1,1,1, 2,2,2,2, 3,3,3,4,2)

y= table (a)

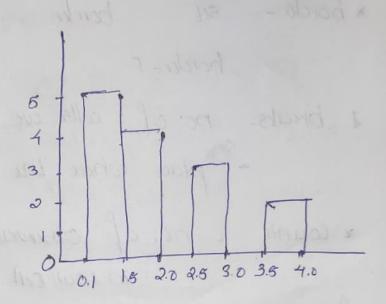
79

> 2

1 2 3 4

5 4 3 2

> bist (a)



To see grouping

> Cat (9,0)

* main heading

* zlah - a anis nama

≈ ylab - g axis name

+ alim - alimit

* y lim - y limit

* col - colocur

· density = anading elensity = c(20,39,40)

* freq get the probability distriinstact of freq.

freq = FALSE

* 105 - to show the limit value borizontally

las = TRUE

* border - Set border

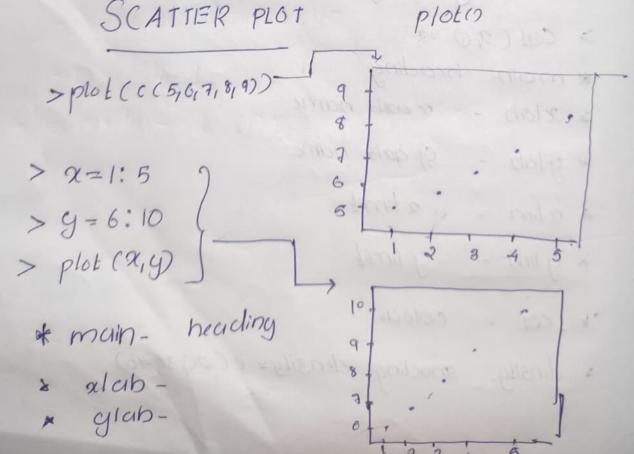
border - F

1 breuks- no: of cells we want.

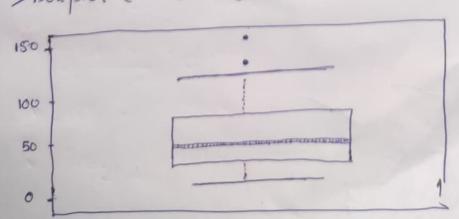
- place when the break occur

* count - no; of observations fulling
in that cell

plot [ban]



+ col - color 'p' for points * Egpe-11' for lines b' both line & point - . -'c' for line part along of b' d' over ploted b' for bistogram 's' for stair more phonons = =0 = " day 3 English no = days no ploting to a thousand about Box PLOT · quantitative delta ploting · function- boxplot cy: > box plot (airquality 80zone)



- * main
- * alab
- * ylab
- + col
- · Motch- notch in the plot notch= T
- + horizontal -: horizontal t display box plot horizontally

Hmultiple box plot;

- > 0 Z = airquality \$ 020n
- > Lemp = air quality & temp
- > wind = evir questity & wind
- > box plot (02, temp, wind)
- · var width:
 - change the box width
 - Varatulthe 1
- > ou borders le change border color.