## Module - 5

Grouphs and charsts

R-Bareplots

baceplot () function

barsplot (man. temp)

barsplot (man. temp, main = "Man Temp in a week",

Xlab = "Degree Celsius", Ylab = "Day",

names. area = c ("sun", "non", "Tue", "wed", "Thur", "Fron",

"sal-"), col = "darskreed", horsiz = T)

3) x <= c (1, 1, 1, 1, 1, 2, 2, 2, 2, 3, 3, 3, 1, 2)

y < +able (x)

| marchet (1, 2, 4, = x, 2, 2, 2, 3, 3, 3, 1, 2)

bareplot (height = y, width = c(8, 8,2))

bamplot (hight = y, space = 5)

baroplot Chight = y, names. arrg = LETTERS (1:3))

borsplot ( height = y, names - arry = c("studi", "studi", "studi"),

legend tent = T)

bareplot (height = y, names. arg = c ("sti", "sta", "sta").

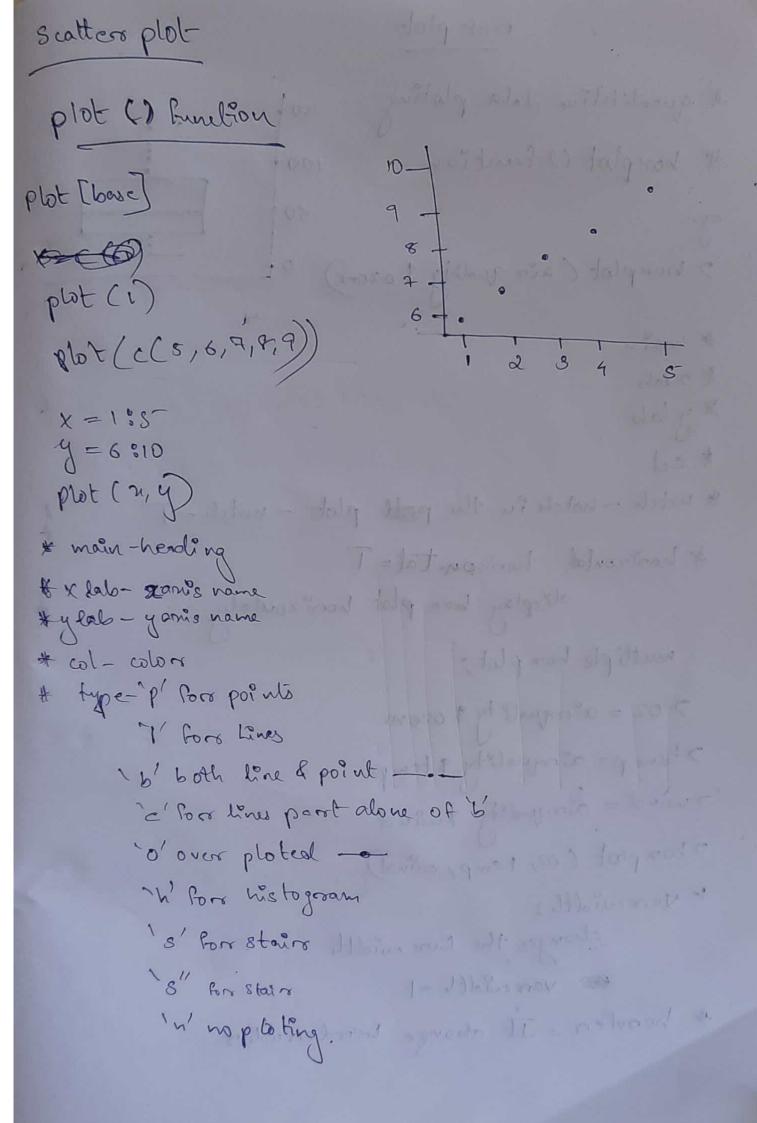
legend. text = T, las = 3)

```
data ("Intears")
names (Intears)
, table (mtcaros & cyl)
, table (interes & georg
15 12 5
Ztable Contrars & ey, interes & gears)
 I torongo y = table (mt cors & cyl, mt cors & geors)
 > beoplet (gi)
 7 bamplet (y, Leagend . text = T)
> bars plot (y, legend-text = T, beside=T)
7 baroplot (y,, legeral otent = T, beside = T, horriz= T)
 > barplot (y, homz=T)
 > bareplot (y, horsiz=1, las=i)
 > baroptot (y, horsiz=T, las=1, density=((8,10,15))
                              angle = c(48,80, 75)
 ) possbjof ( d' col = " red ,)
 > para (mfrow=c(1,1))
  > barplot ( y, col = c(1,2,3))
 > bars plot (y, col = rain bow(i))
  7 baroplot (y, col=rainbow(n=15))
```

) becoplete (y, col = vain bow (s= -3, n= 15)) ) barplot (y, col= rainbow(s= -3, n=18) boarders= F) > pare ( ma leson = c(1/2)) > beropto t(g, main="headers", sub= "footers") Dbaropht Cy, main c expression (sum a) ) barplot (y, main = emprocession (x% \* %y)) I beroplot (y, main = expression (beta) > baoplot (y, main = emprossion (n+y)) Piechard Piec) function x = c (1,1,1,2,2,3,3,4,4,4) g=table (x) Piely, main = "my first plot") Pie (y,-Labelo = LETTERS (1:4)) Pie (y, edges = 10) Pre (y, readins = 02) Pie (y, oo clockwise = T) Pie (y, density = c(10,20,30,40)) Pie (9, 10) = main bow (15) Pie (y, col = rain bow (15), borocler = F)

2 To percent (b/openy) 79pie 3D 1239 > pie 3D(4) 7 ptc 3D(y, enplode= · 5) Histogram hist () function Used for plotting quantitative data ) x = c (1,1,1,1;1,2,2,2,2,3,3,3,3,4,4) 5 4 3 2 1.0 1.5 2.0 2.5 3.0 3.8 4.0 > cut (7/6) I data. Frank (x, cut (7,6)) 7 cut (x,2) ) cut ( x, 6, or gut = T) 7 cut (m, 6, right = F)

```
Thist(x)
2 data (" cors!")
> head (coros)
> speed corrs & speed &
> hist (cars & speed)
 > hist (coro &dist)
 > hist (caros & dist, brocales = 22)
I hist lors & dist, main = " my first histogram", x lab= "olist",
        of Lab = " no of homes")
   * main = heading
   * Xlab = x aris name
   # ylab = y assis name
   * xlim = or limit
   * glim = y limil-
   * col = colours
  It alenoity = shooting
   & troegram. = get the probability distriction tend of freque
                Freq = FALSE
   * Las = to show the limit ralues homzontally
  # border = set border, border=F
  * brocaks - no; of cells we want
                place where the break occurs
  * court s - no : of observations falling in that
```



## Box plot # quantifative data ploting 150 f # bomplot () function 100 50 f > bomplot (air quolity & ozone) # main # orlab

\* y lab

t col

\* notch - notch ? u the post plot - notch = T

\* horizontal horizon-tal=T

display bon plot hors zoutaly

muttiple bon plot;

> 02 = airequelity & ozone

I temp= airoquality & temp

> wind = airquelity & wind

> bomptot (or, temp, wind)

+ varewidth:

changes the somewhath

var width =1

\* border = It charge border o. 6 m.