5. Craphs and charks Bar plots in 12 - Simple Ban plot

- Horizontal Ban plot

- Stacked Ban plot

- Cirou ped Ban plot R Ban plot * Created by using = barplot () funtion

* Input can be vector /matrix

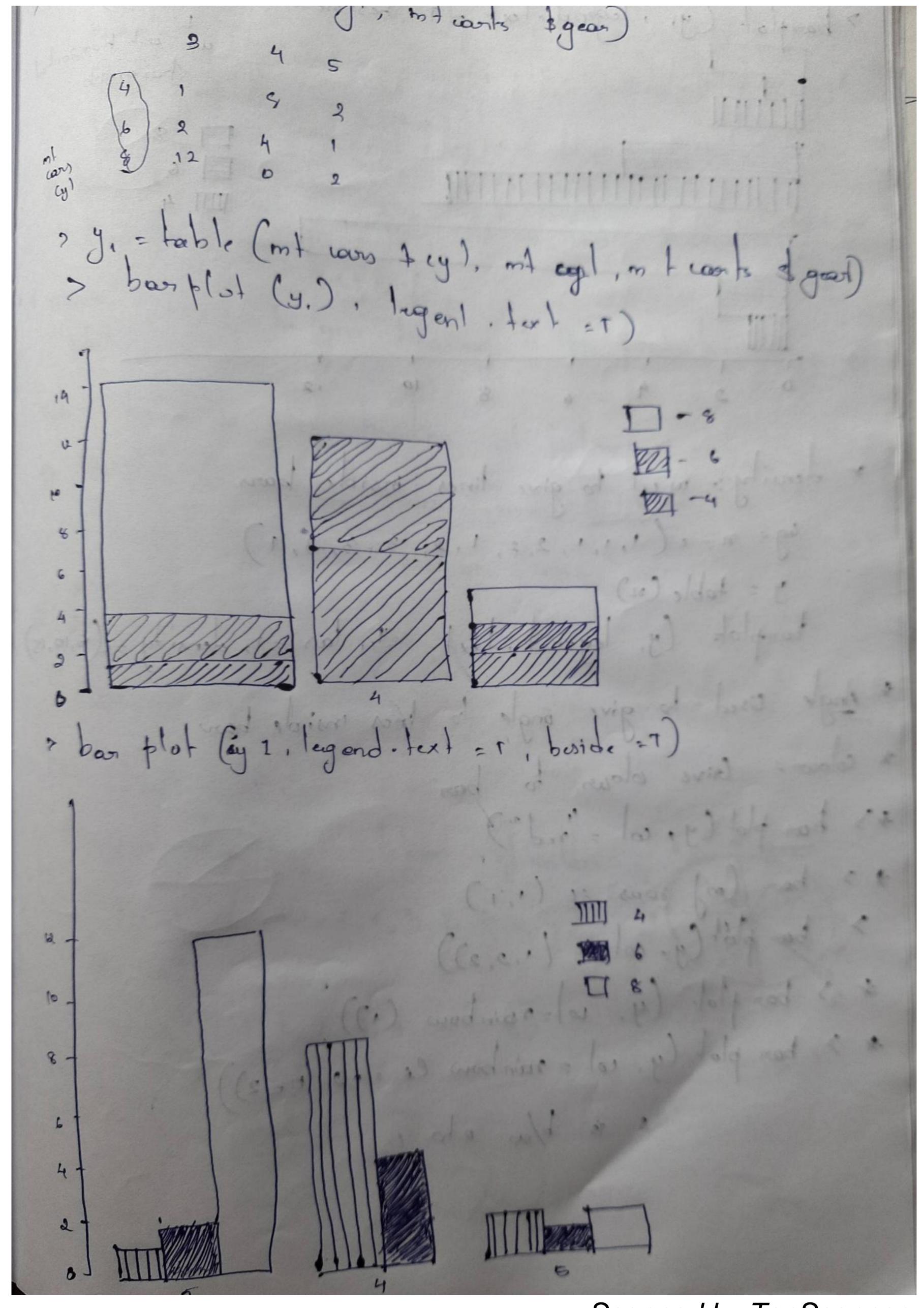
* if we supply a vector the plot will have bors with
their height equal to the elements in the vector Eg + temp = ((27, 26, 23, 24, 30) (Rishdio) banflot (temp) Argument Used * main - wed to give heading * n him * Ylim nlab > n - anis name y lab + y - anis name col -> Give colour la bar leg + temp = c (bomplot (temp, main = max Tempo in a week, x lab = Degocc celcius,

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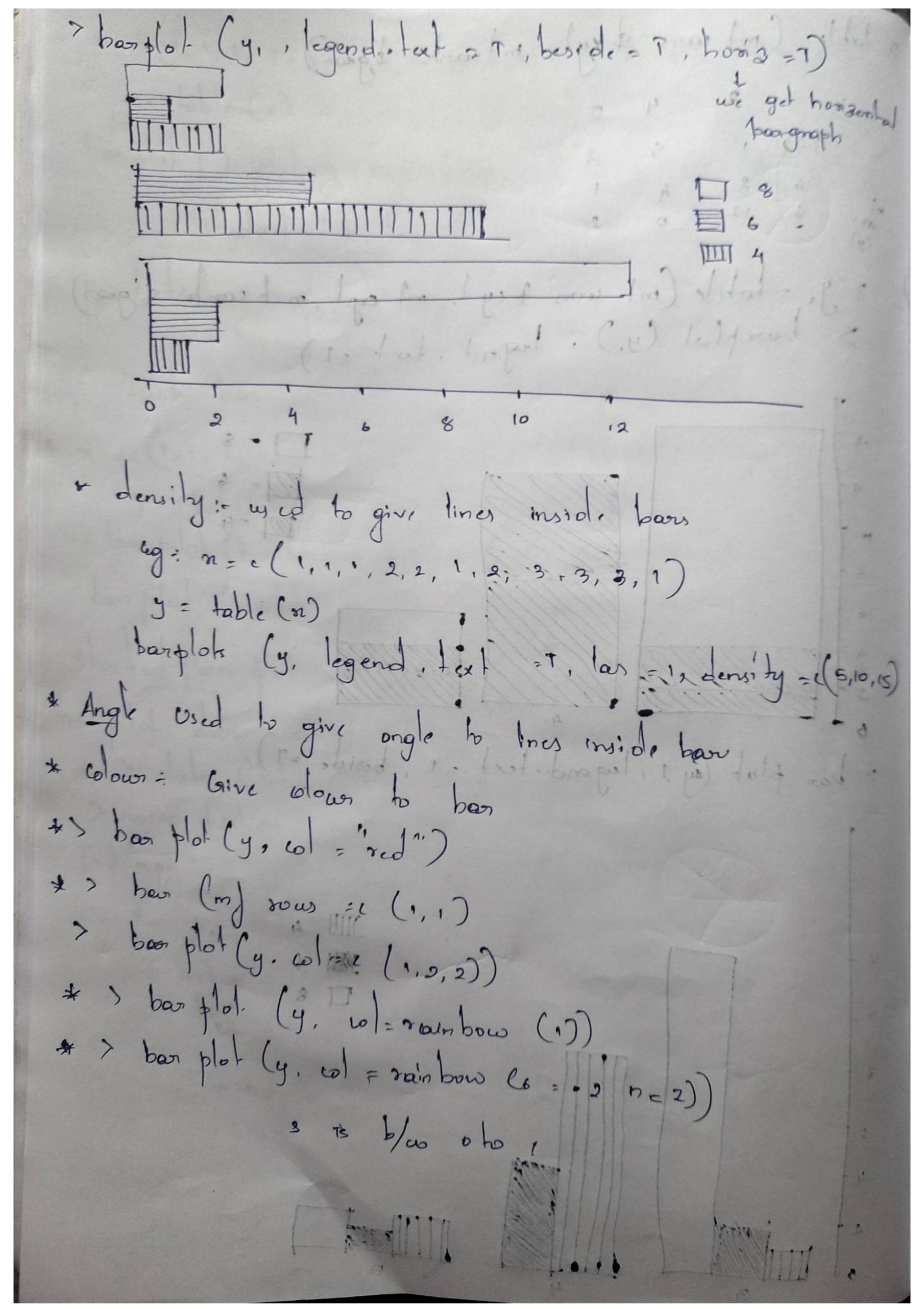
* density = Grive line inside bon.

* borden = borden to bons olensity = 20, bonder = "red" vol = green") * space > space b/w boon n 1-c (",1,2,2,2,3,13, plotting of catogorical data * $m \in \mathcal{L}(1,1,2,2,2,3,3,1,1,2,2,3,4,4,4).$ y = table (n) bon plot (height = y, width = c(3, 4, 5,6) * $n \in C$ (1, 1, 2, 2, 2, 3, 3, 1, 1, 2, 2, 3, 4, 4, 4)bor plot (height = y, space = =5) y = table (a) * yn e (1, 1, 2, 2, 3, 3, 1, 1, 2, 2, 3, 3, 4, 4, 5). y = table (n) barplot (height = y, names . org = LETTER [7:4] bouplot (height = y, nomes org = ("student " "students" "strudento", "stredent 21").

x = c(1, 1, 1, 1, 2, 1, 2, 2, 2, 3, 3, 3, 1, 1, 2, 2, 3, 3) y = hable(x)y: hable (x) bon plot (height = y, nomer ang = c ("student", "student?" "stredent 3"), legend . text = T) legend. Fext on a vector of fext used to construct a legend for the plot ie, used to identify who each bon represent * n=c(1,1,1,2,1,2,2,2,3,3,3,1,1,2,2,3,3) 9 = table (n) loon plot (height = y, los = 1) bon plot (height = y, las = 2) Stacked Ban plot). How, position The plot drown when Kloboix 1's given as input * > data ("mt-cons") > nomes (mhan) [1] mpg' "Lyl" "disp" "hp" "drat" wit "gree" "vs" "am" "quan" "carb" matrix mtuans > mit vary suy ? table (mt cons d'eyt) 7 table (mt ears \$ gear) 4 6 8 14 14 states



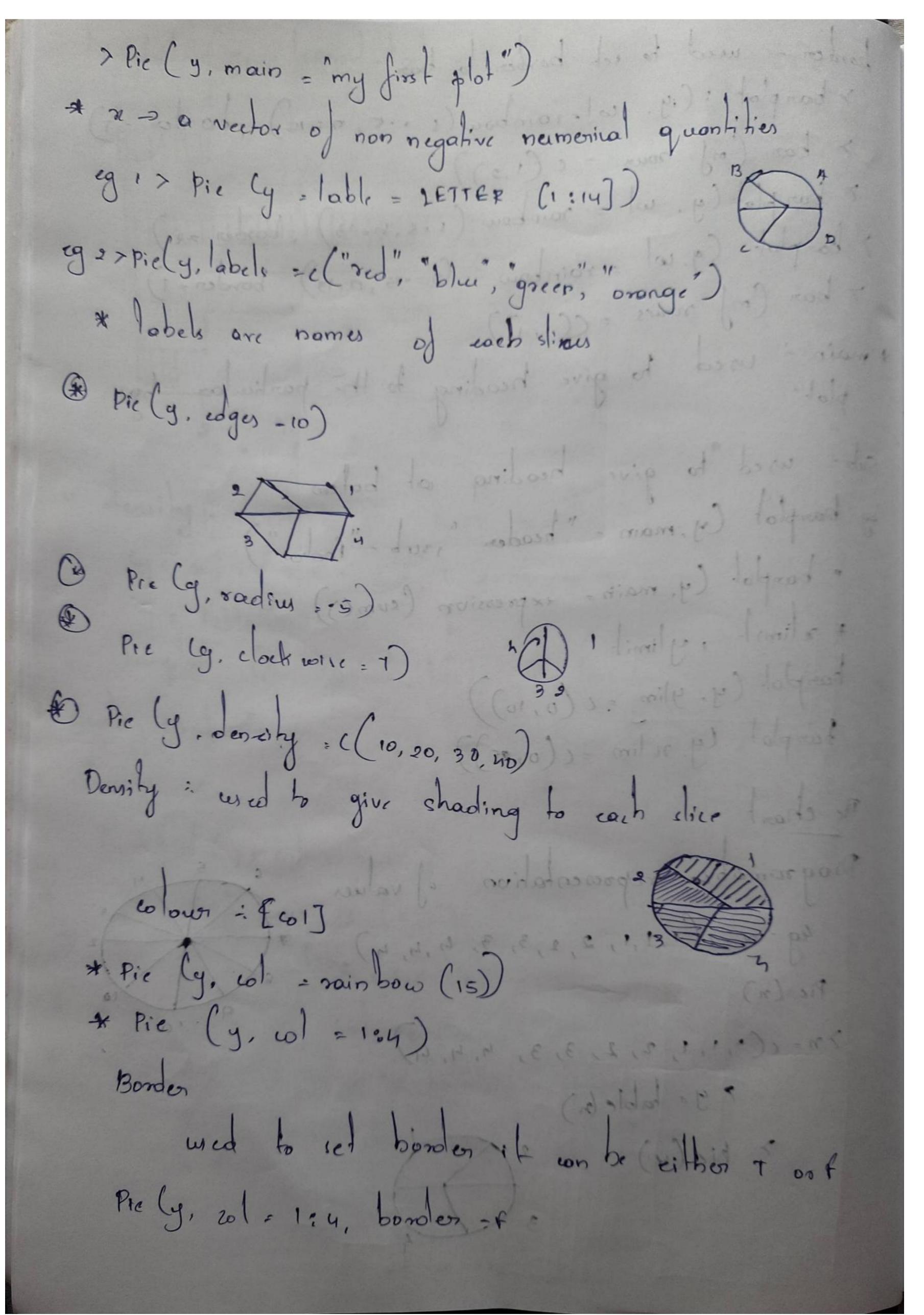
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porder - wied to set bonder to boar y barplot: (ig. wl. rounbow (s. r.c, n:15), honder = T) 7 han (m) nous = c(1,2)) 7 bar. plat (y. w) = main bow (1-5, h=13), bonder = 8) 7 bonplot (9.6) = nainbow (3:0.5, n=13) bonden=1) 7 ban (m) nours = ((1, 2) * main i used to give heading to the particular has sub: used to give heading of bottem. g: banplot Cy, main = "header "sub = "footor") · barplot (y. main = expression (sum()) * alimit, ylimit boosplot (y, ylim = ((0,10)) banplo! (y. n lim = ((0,05)) The chart with don't wife of both Diagramatica representation of valuer 49 = n = ((1,1,1,2,2,3,3,4,4,4) 7n=((1,1,1,2,2,3,3,4,4,4) 7 y = table (n)

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Used to plot Quantitative data input one vector input n=c(1,1,1,1,1,2,2,2,3,3,3,4,4) Viewing the grouping arrangement we the for 7 data frame (n, mt (n, 6)) olata ("cars") ad solde perfetos aprimars

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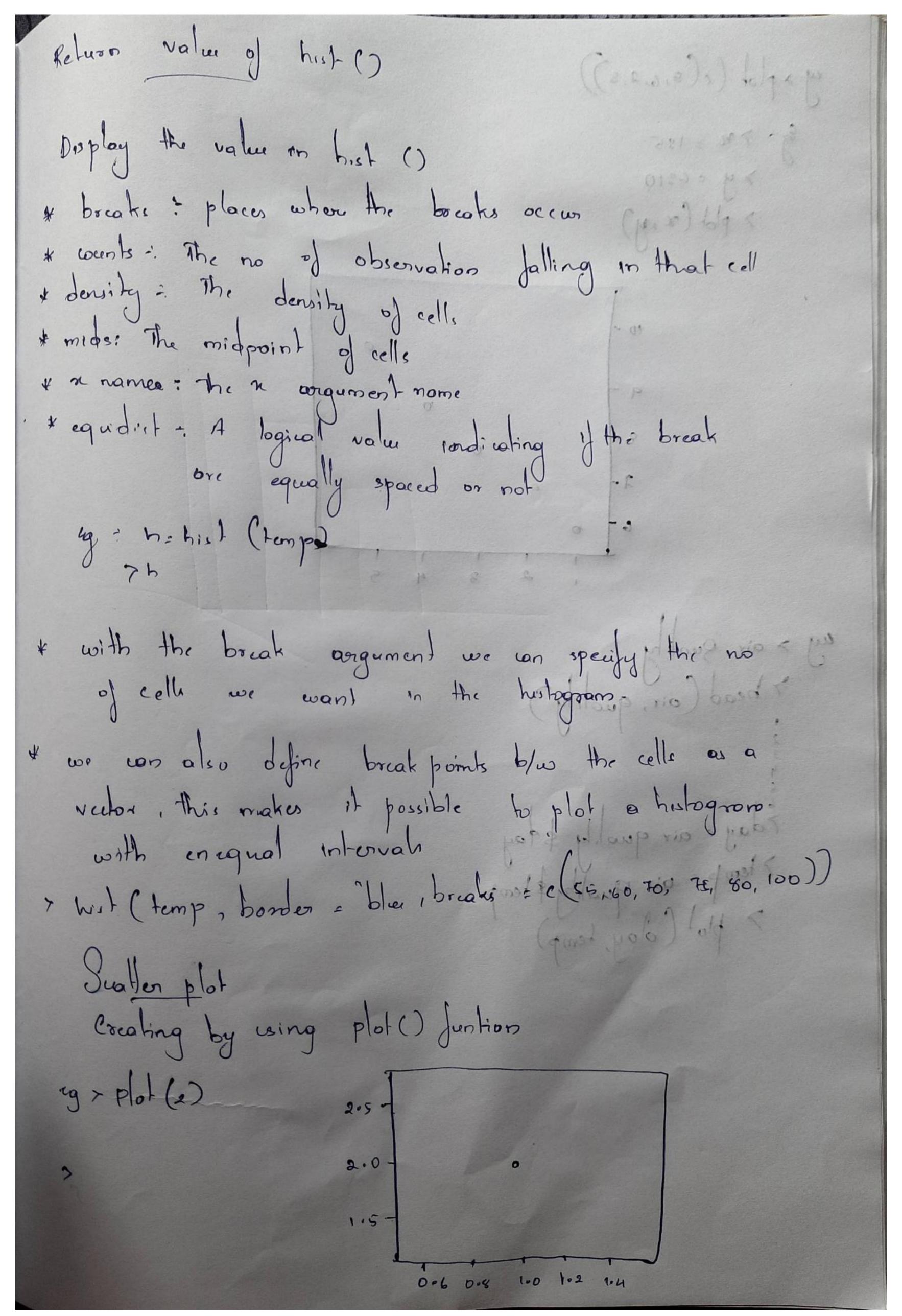
Anguments * breaks :- Thist (wow & speed, n lab="dist", ylab="no of himes") og: > air quality
> head (air quality) > temp = air quality, temp > hul- (temp) > shr (air quality) stri used to display structur * x lim, y lim :used la provide songe ofoxes wied to défine volon * with the organient foreg : false we can get the probability distribution instead of the forequency > hist (temp young = F) Eg: hist (temp, main = "maximum Daily semperature"

valab = "Temp in Degree" n'im = c (20,100) 6) = rainbour [20], friq = false 1 las = î * Border = (1/1)

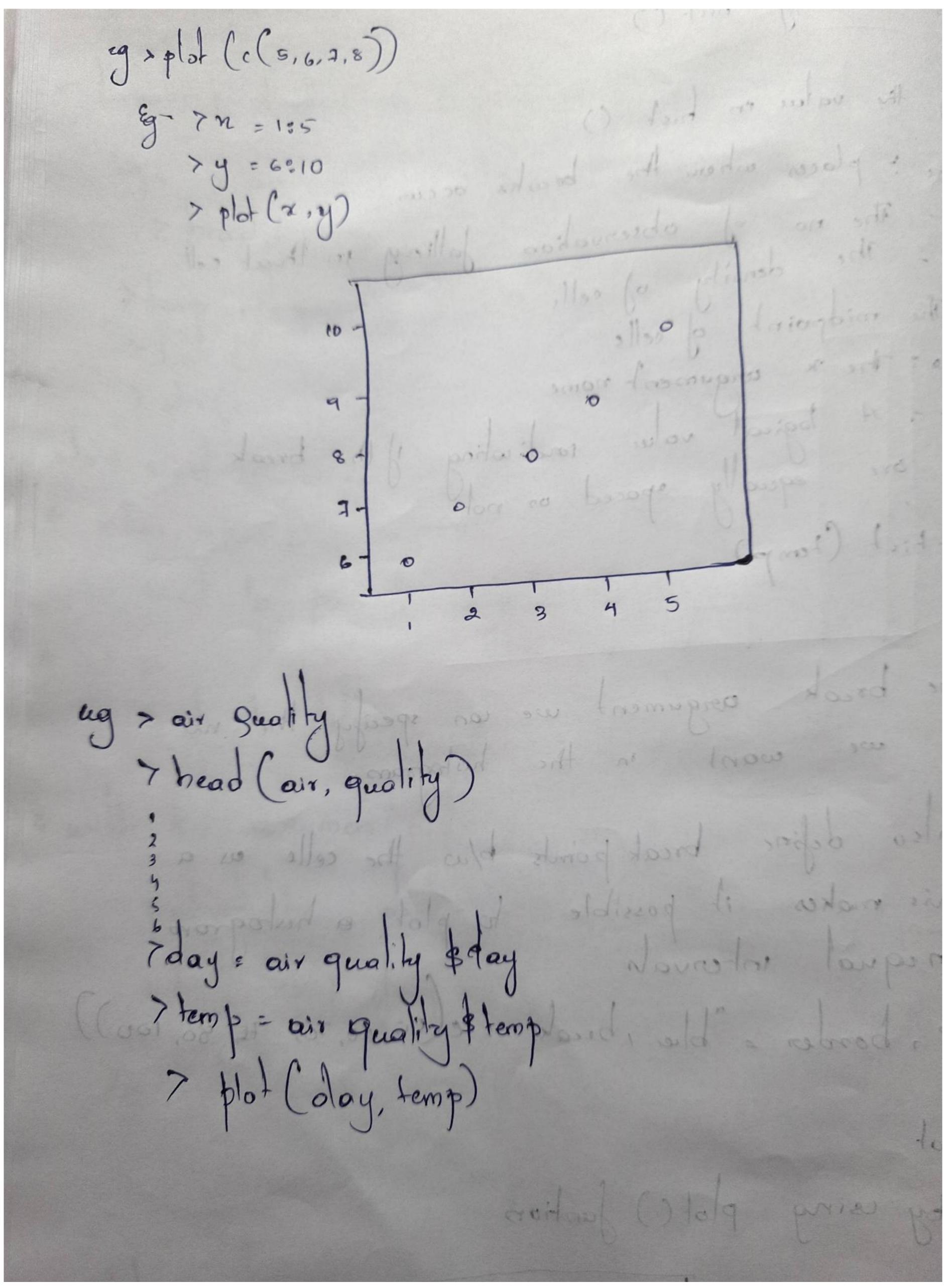
* density:

hist (top, border = blue density = 20)

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