Module - 5 Caraphs and charts 1. A barplot can be created using function barplots) ene can supply a matrin or nector to it. eg: max. temps ((22,27,26,24,23) barplot (man. temp) The argument's mais = insed to have the plot ("manimum terge × lab = horizontal description Mas = Varical description hames, arg - ("sus", mon, med, there) Col= "dark red" WON'S = TRUE Aloring Categorical data cage < 6(17,18,18,18,18,19,18,16,18,18) table (age) barplot (table (age), mais = "age of 1.87 adents" nlab- age", ylab= "count", border= "red", ador col = "blue", density = 10)

higher diamenssonal tables me have a built en databet celled Titanu. Et have & diamensions, cue cay plot awarding to the data. barphot (titante, data, main: "survival of each class", x(ab = "class",
col = (l" xed", gues") legend ("top left") CC"hot survied", Survived "); full = cl "red", "green"). Survived of each Class 2. R. histograms Created esting hist() function Tristates a meeter value. Creating a histogram osing dataset aixquality Temperature + airquality \$Temp hist (Temperature)

priameters can be added like hist (Temperature, mais = " maninum daily temperature", ntim= ((00/100)1 (d = "dart blue", Ineq = PALSE, monimum daily Temperature 2/200 Tenperatur Es degres Detens values of R., hist-Weturs 6 Components > b < wist (temperature) Streaks, Scouls, Idensity, Imids. \$xname, 5 affor , "class"), sequidist-+ beeaks - places where the breaks occur * counts a no: of abservations falling is that cell * densely - the densety of cells * mids - the midpount of cells + x name - toe x argument name * equidest- a logical value indicating the breaks are equally spaced or n

non civifeorn width mais « manimum daily temperature"

X(ab = "Temperature es farantieight" hist (Temperature) xcim = c(60,100), col = "Chocolate", border = "beown", beenks = ((56,60,70,75,80,100) mesnines day temperature Temperetu in degracobregal 3. R pée chart created asing function Diel). let , enpenditule hersing food clothes Enterfinant Okree 600 300 150 pe cenjenditure), autos parametras pre (enpendeture, labels = as. character (enpendition), mais = "mouthly Expendition", Col = (l'acd', crange , bui pinle, grey), border = " bronen", Clockeniso=Taue

4. Rought Created resing boxplot () function. oue can pass a lest as detafiance enty numeric cuertoes to et aue cas Create a bomplot outs data set airquette bomplet (all quality dozone) Little The state of the state o parameters are, bomplot Caisquality 903one, macs = " mean ozone to part ppt", Xlas = parts perbellion, Ylas = "030ne", Col = "orange", border = "brows", horizontal = TRUE; notch = Pruet Dispersion and administration for the same Retain Values are => * no number of observation is drawn. * cont - upper/burrer entremes of notch of group - a wester of sames lengths. * names - a westar names for the gup! and the state of t The second of the second of the second

5. p Scatterplot plot(), simple scatter plot p(+(3) \$ 3 - 9 eg: plot(1) 1 - ? eg: head (attquality) ten = airquality & Day day = auguralety & Day Temp = airquality & Day plot (day, temp) outs againents 9 = 21:30 plot n, y) plet (n, y, mais = "Scatter plot", Xlab="nvalues" Ylab = & yvalues, Col= 1:10) ahat type should be chave are P-point, 1-lines, b-both, 6-occupleted S- Steps, C - enthant-bubble, b- histogrand n- none to display eg: X=1:100
908in(n) Plot (n,9) Plot (ny, type=1) n = se((0,10, 42 Sh(21) plot (nig, tape = "1")