Date Datawave house M. Venkata Hari and Data mining 101/202 19201119871 CSA1675 Assignment-1 Read:writing into a csy thes Transformation: Execting a fric! R can create cov flo five num: Yound (xin):using file. Execten function form exclising, data-trains a now fire can be created from the write cov() function # yound the values of a to # Turkey five numbers console or transactes it arready is used to create the n decimal places men, lowerhinge, minge, celling (x):-# vector a of Grallest integranded, upper hinge mad इत्रेज्वद्र: cav file. This file gots file. create (" ") eveated in the working -loor(X):-Frampt:-# vector a of largest integer directory Kx # frequency counts of entries # create a file as integer. ideally the entries are factors # the file created can be # Create a data frame (authough 9+ works with integros # Truncottes real & to integer data K- vood . CSV ("input. Seen (compare to round (210)). (ON) open reals). (5V") # in your working directory Statistics scale (data, scale = 7) Reading affic:-Yetval < - subset (data, as. min () > lowest value troop > # centres around the mean using read Data (start-date). ghven data and scales by the sol table () > as. Date (2004-10-01") mean() -> Average value # with e fritered data into median () -> middle value Q1, 02, read table (Friename, header function R, It fries can be read and #read foles with tables in fixed a new-PP10. output is shown as data write.csv (retval, "output Sum()!- > Potal trame. # yead a table (or) space delimited Dyntox:-(BV") read: table (file name: header = True var() > # produces the read table (file) newdata <- read. CEV ("output variance covariance # read car files Example:-· CSV" matrix x = c(1:10) -> the crecition or data point (newdata) # Reading tat IPIE Vector with elements 1-10 Sd () > # Oftandard of Evilation new. Prisk-read. table(file: Vect = c(xx) -> # combine them into "GIFGI. +X+") # print vector or length an. Print (new. iris) mat = (bind (xx) -) # combine them Into anx2 matrix

Suppose that the duta for the analysis and as by finding the median of Procludes the other bute age the age values for the duta to tuple are 18,15, 16,16, 19, 20,20, 21, 22,25, 25, 25, 80, the lower and upper halves of the dula set hespectively for the lower harf of the datases, we have the following wulves 33,33,35,35,35,36,40,45,46,52,40. #) the first quartie (Q1) ?3 the 25th 18,15,16,16,19 Percentile and the third quartile The median of this set is 16, (03) is the 75th percentile in a data 80 Q1=16 Po Brodu Or and Obs, we frust need for the upper half of the data ser, to ador the data set and find voe have following values. the medians. for odd number of 20,20,21,24,22,25,25,30,33,35, elements in the data set. Median = (N+)/2 Th element of the 35,85,85,86,40,45,46,52,70. the median of this bet is 35,50 8 orted dataset, whose N is the Q3 2 35 number of elements on the dataset for even number of elements in the gherifore the porst quartile (a)=16 dataset median = CN/2th element + (N/3+) and the third Quartile (Q3)=35 th element)/2 OF Sovted dataset who N PS the number of floments in the dataset. Here we have 26 elements In the datases, so the median is the awarage of the 18th and 14th element which were 10 of 20 18 betings Phonofore Q2 = (19+28)/2 NOW that we have Q2, we coun'find