Oreating a file:
Using file Coneater, function, a new file com

be created from console or trancates if

almeddy exist.

Syntax:

file · Create (" ")

Example:

# create va file

# The file Conecited Coin los Seen.

#In your working directory.

Keading -A file:-

Using read table () function R, files can be read and output is shown as detachnome

Read table (file)

Ex! # Reciding txt file

new ini & <-nead table (file = "GFG-txt")

# print Print (new isis)

R can Create CSV file form existing data frame. The write (CSVI) function is used to create the CSV file. This file gets created in the working directory.

# (neate or data frame

data / nead. csv ("Input. Csv")

network - subset (data, as. Data (

start-date)

as. Date (2004-10-01"))

# Write filtered data into a new fix.

mendonto 2- nead: Csv ("Output csv")

Print (new data)

DATA [MANOPULATION]

Germal places.

Ceiling (x) # vector x of smallest integers x.

floox(x) # Vector x of largest integer Lx.

(compare to nound (x,01).

Statistics ...
min() -> Lowest value form given data
mean() -> Average Value

median ) -> Middle volue 0,102,03

Sum () -> Total

Vasi() -> produces - the Vasiance covariance matrix

Sd() -> # standard · derivation.

TRANSFORMATION

Five hum() —> # Truskey five mumbers min,
Lowerhinge, median, upper higher,
Taible() —> # forequency counts of entires,
ideally the entires are factors

(although it work with integers
Or ever nears)
Scale (data scale = T) ]
H centers coound the mean
and scales by sd).

Input and displays

seed table (file name, header =

Time) ->

Head files with tables in first

soon

Head at tab on space, delimited

Stead table (filename header=

# nead csv fles

X=C(1:10) -> # Create and ata vector.
With elements 1-10

Vect = c(x,y) -> ## Combine them into vector (07) Hength 2n.

ment = (bind (x,y)-stt combine-them
into anx = mattix.

2) The age values for the data types some 18,15,16,16,19,20,20,21,22,25,25,25,30,33;33,35, 35, 35, 36, 40, 45, 46, 52, 70.

The first quantile (Q1) is the asth porcentile and the thread quantile (93) is the 75th percentile in a data Set.

To find a and as I we first need to order the data set and find the medians, for add number of Clements in the dataset.

Medicin - (N+1)/2 the general of the souted data Set, Where N is the number of elements in the detaset,

For even number of elements in the dataset Median = (N/2th element + (N/2+th element)/2 of souted olataset who "is the humber of clements in the dataset.

Here we have 26 elements in the dataset, so the median is the average of the 18th and 14th elements Which are 19 f 20 respectively

Therefore 
$$Q_2 = (19+20)$$
  
= 19.5

Now that we have 92, we can find and as by finding the median of the lower and upper haires of data set suspectively.

For the lower half of the datasets, we have the following Values 13,15,16,16,19 The median of this set is 16, so Q1=16 for the upper half of the dataset, we have following Values 20,20,21,22,25,25,30,33,35,35,35,35,35,36,40, 45146125 130. The median of this set & 35,30

... The first quartile (Q1) = 16 and the third Quartile (03)-35