BUGALE. Title: Basic statistical commands on the dataset using R & data exploration. Problem statement: To excute basic statistic cal commands on the given dataset and explose the data to obtain useful information Pie-Lab: A basic understanding of descriptive statistics will help in executing P commands on the given dataset Statistics commands in R: 1. Mean: In R. a mean can be calculated on an isolated variable. Alternatively, a mean can be calculated for each of the Variables in a dataset by using the mean (DATAVAR) Command where DATAVAR is the name of Vaziable containing the Data The syntax is: mean (x, teim=0, na. Em = FALSE, ----) · x is the input vector · teim is used to drop some observations from both end of the screted vector. · na. Em is used to Eemove the missing values from the input vector.

in the same sandard deviation are calculated in the same cony as means. The standard deviation of a single variable can be computed variation of a single variable and be computed with the ed (VAR) commande where MAD whose stall is the name of the vocioble whose standard deviation you wish to retrive The Syntax is: Sd (x, na. Em = FALSE) Following is the description of the possemeters · no is used to remove the missing values from input vector Minimum & Maximum can be computed on a single vaziable using the min (VAR) command.

The syntax is: Following 15 the description of the parameter used - x is input yector.

50 the from Values (Percentile Book) percentile sank assepteding to a given value method to one has to devise a deposition mothed to begin, consider the stops involved in adjusting a percentile park Formula for calculating precentile rock. prescentile cank = length (VAR (VAR (VAR (= VAL)) / length (VAR) + 100 Where VAR is the name of the Vaziable and VAL is the given value. 4. 5- Number Summary is a set of 5 descriptive statistics for summer It consists the data set's · minimum · Median · 1st quartile . 3rd quartile · Maximum There are 2 functions that are commonly used to calculate the 5-number summariy in R. The syntax is:
fivenum (x) Summary (X)

Following this the descriptive of the precurretees used - vector. Post-Lab: Students will be able to execute statistical R commands on any given doctaset & explore the doctaset Conclusion: Thus exercised various statistical & data exploration commands on the given dataset using R.