- (1) Entering college freshman have taken a particular high school achievement tents for many years, and the upper quarkle (p=0.75) is well established at a score of 195. A particular high school of its graduater to college, where they take the examination and obtained scores of 203, 168, 187, 235, 197, 163, 214, 233, and obtained scores of 203, 168, 187, 235, 197, 163, 214, 233, 199, 185, 197, 216. To tent helyings = 195 Vs His go.75 > 195 We still the scores.
 - (2) Following are the yields (:n kg) of a coop recorded from an experiment with median (m) = 20

15.4, 16.4-17.3, 18.2, 19.2, 20.9, 22.7, 23.6, 24.5 to tell Ho: eyo.s = 20 VS H.: ey \$ 20 as 5.1. 10.5.

(3) A random sample of size 10 from a contineous DF on [0, 1] yields the following data:

0.59, 0.72, 0.47, 0.43, 0.31, 0.56, 0.22, 0.90, 0.96, 0.78

- The seasoned rainfall in two stations is given below.

 To test whether the distribution of ranfall in two stations is same or moto.

 Station A 1011.7, 1066.72. -- .

 Station B 496.44, 541.76, ...
 - Homitton depression scale factor measurmants are taken on cy patients after initialization of the therapy. Following table shows the measurments (n) taken at the first visit and the measurment (y) taken after the second visit of 1.83 ... of 1.30
 - The following data represents hifetime (hm.) of batteries to v two brands

 Brand A

 Go 30 40 30

 Brand B

 So 50 45 -- 40

The following data give the ages of entering freshmen in independent random sample from three different universities A. B. C.

A 17, 19, 20, 21, 18 to test the hypothesis that the average age of entering freshmen at these universities are the same.

(8) A random sample of 100 families in Bowling Green, ohio, showed the Following distribution of home ownship by family income.

Annual income (in 4)

Is home owership 30,000 30,000 less than for dential l above i'n Bowling Green 50,000 3 % 060 Status independer of family 30 15 1 0 Homeovoner income E. 20 17 Revter 8

