

1.29 Use the data in Exercise 1.24 to construct a box plot.

1.2 According to the journal *Chemical Engineering*, an important property of a fiber is its water absorbency. A random sample of 20 pieces of cotton fiber was taken and the absorbency on each piece was measured. The following are the absorbency values:

18.71 21.41 20.72 21.81 19.29 22.43 20.17
23.71 19.44 20.50 18.92 20.33 23.00 22.85
19.25 21.77 22.11 19.77 18.04 21.12

- Calculate the sample mean and median for the above sample values.
- Compute the 10% trimmed mean.
- Do a dot plot of the absorbency data.
- Using only the values of the mean, median, and trimmed mean, do you have evidence of outliers in the data?

Q1.3

18.71	21.41	20.72	21.81	19.29
23.71	19.44	20.50	18.92	20.33
10.25	21.77	22.11	19.77	18.04

(a) Calculate the sample mean and median for the above sample values.

(b) Compute the 10% trimmed mean.

e) to construct a box plot.