Exercise 1.1

sorted()



15 count() (a) What is the sample size for the above sample?

56.8 sum()

3.7867 average() (b) Calculate the sample mean for these data.

5.6 max()

2.5 min()

0.9709 stdev.s() 0.97091 var.s()^0.5

0.9427 var.s()

3.6 median() (c) Calculate the sample median.

3.6778 trimmean((e) Compute the 20% trimmed mean for the above data set.

(f)

Is the sample mean for these data more or less descriptiveas a center of location than the trimmed mean?

Exercise 1.1 The following measurements were recorded for the drying time, in hours, of a certain brand of latex paint.

2.8 3.3 5.6 3.7 2.8 4.4 4.0 5.2 3.0 4.8

Assume that the measurements are a simple random sample.

- (a) What is the sample size for the above sample?
- (b) Calculate the sample mean for these data.
- (c) Calculate the sample median.
- (d) Plot the data by way of a dot plot.
- (e) Compute the 20% trimmed mean for the above data set.
- (f) Is the sample mean for these data more or less descriptive as a center of location than the trimmed mean

4C%E5%BC%8F%E6%A6%82%E8%A7%80-ecfdc708-9162-49e8-b993-c311f47ca173

