

How can data be centered in R? Can you provide some examples?

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Data centering is a statistical technique used to adjust the mean of a dataset to 0, making it more suitable for analysis. In R, this can be achieved by subtracting the mean from each data point using the "scale" function. For example, if we have a vector of values, the centered data would be as the mean of the original data is 5 and subtracting 5 from each value gives us the centered data. This can also be applied to data frames and matrices in R by specifying the "scale" argument in relevant functions.

Center Data in R (With Examples)

To center a dataset means to subtract the mean value from each individual observation in the dataset.

For example, suppose we have the following dataset:

Raw Data
4
6
9
13
14
17
18
19
19
21

It turns out that the mean value is 14. Thus, to center this dataset we would subtract 14 from each individual observation: