

```

> # Calculate number of observations
> length(waiting)
[1] 10
>
> # Calculate minimum
> min(waiting)
[1] 51
> # Calculate maximum
> max(waiting)
[1] 88
>
> # *** Calculate measures of center ***
> # Calculate mean
> mean(waiting)
[1] 71.8
> # Calculate median
> median(waiting)
[1] 76.5
>
> # *** Calculate measures of spread ***
> # Calculate range (min & max)
> range(waiting)
[1] 51 88
> # Calculate standard deviation
> sd(waiting)
[1] 14.79339
> # Calculate variance
> var(waiting)
[1] 218.8444
> # Calculate Interquartile range
> IQR(waiting)
[1] 28.25
>
> # Display Five Number Summary
> fivenum(waiting)
[1] 51.0 55.0 76.5 85.0 88.0
> # Display all summary statistics with labels
> summary(waiting)
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
 51.00   56.75   76.50   71.80   85.00   88.00
> # Works with data sets
> summary(faithful)
   eruptions      waiting
Min.   :1.600   Min.   :43.0
1st Qu.:2.163   1st Qu.:58.0
Median :4.000   Median :76.0
Mean   :3.488   Mean   :70.9
3rd Qu.:4.454   3rd Qu.:82.0
Max.   :5.100   Max.   :96.0

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