

## Basic Descriptive Statistics \_\_\_\_\_

purpose: Resampling Stats and MATLAB have many basic statistics available.

examples: Here is a short data set:

```
>> data = [1 2 3 4 50];  
The arithmetic mean of the data:  
>> mean(data) ⇒ ans: 12  
The median of the data:  
>> median(data) ⇒ ans: 3  
The standard deviation:  
>> std(data) ⇒ ans: 21.27  
The interquartile interval:  
>> iqr(data) ⇒ ans: 2  
The smallest value in the data:  
>> min(data) ⇒ ans: 1  
The largest value in the data:  
>> max(data) ⇒ ans: 50
```

This document is an excerpt from  
*Resampling Stats in MATLAB*  
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