

Common Statistics

Statistic	Definition	Location or Scale?	R function
Average	$\frac{1}{n} \sum_{i=1}^n y_i$	Location	mean(y)
Sample standard deviation			
Minimum			
Maximum			
Median			
Quantile			
Trimmed average			
Median absolute deviation			
Interquartile range			
Range			
Skewness			

Common graphs

Graph name	Explain construction	R function
Scatter plot	Data in form of (x, y) pairs. Point plotted at position (x, y) for each pair.	plot(x, y)
Boxplot		
Histogram		
Empirical distribution function		