Language	MATLAB/Octave	Python	R
Average	`mean(a)`	`a.mean(axis=0)` `mean(a [,axis=0])`	`apply(a,2,mean)`
Median	`median(a)`	`median(a)` or `median(a [,axis=0])`	`apply(a,2,median)`
Standard deviation	`std(a)`	`a.std(axis=0)` or `std(a [,axis=0])`	`apply(a,2,sd)`
Variance	`var(a)`	`a.var(axis=0)` or `var(a)`	`apply(a,2,var)`
Correlation coefficient	`corr(x,y)`	`correlate(x,y)` or `corrcoef(x,y)`	`cor(x,y)`
Covariance	`cov(x,y)`	`cov(x,y)`	`cov(x,y)`