variance

syntax: `variance(data)`

purpose: Computes the variance of a vector of data. The variance is the square of the standard deviation. The formula is

$$\frac{1}{N-1}\sum_{i=1}^{N}(x_i - \widehat{x})^2$$

where N is the length of the data vector, $\widehat{x}$ is the mean of the data vector, and x_i is element number i of the data vector.

See also: STD