R: Standard Deviation

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| sd {stats} | R Documentation |

**Standard Deviation**

**Description**

This function computes the standard deviation of the values in x. If na.rm is TRUE then missing values are removed before computation proceeds.

**Usage**

sd(x, na.rm = FALSE)

**Arguments**

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| x | a numeric vector or an **R** object which is coercible to one by as.vector(x, "numeric"). |
| na.rm | logical. Should missing values be removed? |

**Details**

Like [var](http://127.0.0.1:15723/library/stats/help/var) this uses denominator *n - 1*.

The standard deviation of a zero-length vector (after removal of NAs if na.rm = TRUE) is not defined and gives an error. The standard deviation of a length-one vector is NA.

**See Also**

[var](http://127.0.0.1:15723/library/stats/help/var) for its square, and [mad](http://127.0.0.1:15723/library/stats/help/mad), the most robust alternative.

**Examples**

sd(1:2) ^ 2

[Package *stats* version 3.1.2 [Index](http://127.0.0.1:15723/library/stats/html/00Index.html)]

Inserted from <<http://127.0.0.1:15723/library/stats/html/sd.html>>