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*AHELP for CIAO 3.4*

## get\_statistic

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## Synopsis

Module functions to get the current value of the statistic comparing source and background data and model values.

## Syntax

```
Double_Type get_statistic([Integer_Type])
Double_Type get_bstatistic([Integer_Type])

Error Return Value: NULL

Arguments:

(1) data set number (default 1)
```

## Description

The function `get_statistic()` returns the latest evaluated statistic value for the given data set. (The function `get_bstatistic()` does so for the appropriate background data set and background model.)

(Note that this function is not the same as `get_statistics()`, which returns an array showing the value of the fit statistic in each bin. This function returns the sum of the values in the array returned by `get_statistics()`.)

See the related Sherpa command `GOODNESS` for more information.

## Example

```
sherpa> get_statistic()
638.148
```

## Bugs

See the [Sherpa bug pages](#) online for an up-to-date listing of known bugs.

## See Also

*chandra*

get\_statistic

## Ahelp: get\_statistic – CIAO 3.4

### guide

*sherpa*

[get analysis](#), [get arf axes](#), [get axes](#), [get coord](#), [get data](#), [get energy axes](#), [get errors](#), [get filter](#),  
[get filter expr](#), [get fit](#), [get fluxed spectrum](#), [get ftest](#), [get metadata](#), [get photon axes](#),  
[get photon energy axes](#), [get photon wave axes](#), [get qvalue](#), [get raw axes](#), [get record](#), [get source](#),  
[get stats](#), [get syserrors](#), [get wave axes](#), [get weights](#), [record](#), [save](#), [write](#)

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URL:  
[http://cxc.harvard.edu/ciao3.4/get\\_statistic.html](http://cxc.harvard.edu/ciao3.4/get_statistic.html)  
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