



AHELP for CIAO 3.4

get_statistic

Context: [sherpa](#)

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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

[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 fttest](#), [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
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