



AHELP for CIAO 3.4

restore_paramest

Context: [sherpa](#)

Jump to: [Description](#) [Example](#) [Bugs](#) [See Also](#)

Synopsis

Module functions to restore the default values of the parameters used to configure each Sherpa parameter estimation method.

Syntax

```
restore_unc
restore_proj
restore_cov
restore_intunc
restore_intproj
restore_regunc
restore_regproj
```

Description

These functions restore the default values of the Sherpa configuration variables (also called "state objects") sherpa.unc et al.

To display the current values, use the functions list_unc et al.

See the related Sherpa commands UNCERTAINTY, PROJECTION, COVARIANCE, INTERVAL-UNCERTAINTY, INTERVAL-PROJECTION, REGION-UNCERTAINTY, and REGION-PROJECTION for more information.

Example

Modify the Sherpa state variable sherpa.regproj; display current values with list_regproj; restore the default values:

```
sherpa> sherpa.regproj.nloop = [30,20]
sherpa> sherpa.regproj.sigma = [1.6,2.6] # 90 and 95 percent contours
sherpa> list_regproj
```

Parameter	Current	Default	Description
fast	1	1	Switch to LM/simplex: 0(n)/1(y)
expfac	3	3	Expansion factor for grid
arange	1	1	Auto-range: 0(n)/1(y)
min	[0,0]	[0,0]	Minimum values, each axis

Ahelp: restore_paramest – CIAO 3.4

```
max      [0,0]      [0,0]      Maximum values, each axis
log      [0,0]      [0,0]      Log-spacing: 0(n)/1(y), each axis
nloop    [30,20]     [10,10]     Number of grid points, each axis
sigma    [1.6,2.6]    [1,2,3]     Number of sigma, each contour
sherpa> restore_regproj
sherpa> list_regproj
```

Parameter	Current	Default	Description
fast	1	1	Switch to LM/simplex: 0(n)/1(y)
expfac	3	3	Expansion factor for grid
arange	1	1	Auto-range: 0(n)/1(y)
min	[0,0]	[0,0]	Minimum values, each axis
max	[0,0]	[0,0]	Maximum values, each axis
log	[0,0]	[0,0]	Log-spacing: 0(n)/1(y), each axis
nloop	[10,10]	[10,10]	Number of grid points, each axis
sigma	[1,2,3]	[1,2,3]	Number of sigma, each contour

Bugs

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

See Also

sherpa

[berrors](#), [bsyserrors](#), [compute_errors](#), [compute_statistic](#), [covariance_errors](#), [fctest](#), [get_paramest](#), [get_paramestint](#), [get_paramestlim](#), [get_paramestreg](#), [goodness](#), [interval-projection](#), [interval-uncertainty](#), [list_paramest](#), [mlr](#), [projection](#), [region-projection](#), [region-uncertainty](#), [run_paramest](#), [run_paramestint](#), [run_paramestlim](#), [run_paramestreg](#), [set_errors](#), [set_syserrors](#), [staterrors](#), [syserrors](#), [uncertainty](#)

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URL:
http://cxc.harvard.edu/ciao3.4/restore_paramest.html
Last modified: December 2006