



AHELP for CIAO 3.4

list_paramest

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Synopsis

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

Syntax

```
list_unc
list_proj
list_cov
list_intunc
list_intproj
list_regunc
list_regproj
```

Description

These functions cause tables to be displayed that show the names, current values, default values, and descriptions of the Sherpa configuration variables (also called "state objects") `sherpa.unc` et al. The variable values may be modified at the command line (see the example below).

To reset the current values to default values, use the functions `restore_unc` et al.

These functions replace the Sherpa commands `SHOW UNCERTAINTY` 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`:

```
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
```

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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	[30,20]	[10,10]	Number of grid points, each axis
sigma	[1.6,2.6]	[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](#), [mlr](#), [projection](#), [region-projection](#), [region-uncertainty](#), [restore_paramest](#), [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/list_paramest.html
Last modified: December 2006