

AW2 ソフトヘルプファイル Statistics 項目引用

AW2 presents statistics on Statistics grids that are very similar to spreadsheets. Each type of interval has its own grid. The grids are selected by clicking the tabs at the top of the window. The first row of each grid shows brief captions for the statistics. Positioning the mouse cursor over a column displays a longer description for the column in the tooltip. The next rows each show statistics values for one interval, and the last two rows show the means and standard deviations for the statistics in each column. Use the scroll bars at the bottom and right sides of the window to scroll to hidden columns and rows.

The Summary tab shows the means for all the interval types on a single grid.

Definitions of the descriptive statistics calculated by AW2 are as follows:

Duration	Minutes from start to end of interval
Activity Mean	Mean activity score (counts/epoch)
Activity Median	Median activity score (counts/epoch)
Activity SD	SD of Activity Mean
Wake Minutes	Total minutes scored as Wake
Sleep Minutes	Total minutes scored as Sleep
% Sleep	Percent minutes scored Sleep ($100 * (\text{Sleep} + \text{Light Sleep} / \text{Duration})$)
Light Sleep	Total minutes scored Light Sleep (Sadeh Infant Algorithm)
% Light Sleep	Percent minutes scored Light Sleep ($100 * (\text{Light Sleep} / \text{Duration})$)
Sleep Efficiency	$(100 * \text{Sleep Minutes} / (\text{O-O Duration}))$
Sleep Latency	Minutes to start of 1st continuous block of at least 20-min sleep (default) or 10-min (selectable from Options:Sleep)
Wk after Slp Onset	Wake minutes during O-O interval
Acceleration Index	Change in activity rate during interval [click for more]
Activity Index	% epochs with >0 activity score
Sleep Fragmentation Index	Number of awakenings / Total Sleep Time in minutes * 100
Brief Wake Ratio	Wakes <= 1min / Total Wakes
Short Burst Inactivity Index	Zero Activity of 1 minute duration / Zero Activity of any duration * 100
Bad Epochs	Total bad epochs
Wake Episodes (WE)	# of blocks of contiguous wake epochs
Mean Wake Episode	Mean duration of WE (minutes)

Long Wake Episodes	WE >= value in Options: Sleep: Sleep Statistics Criteria text box
Longest WE	Duration of longest WE (minutes)
Sleep Episodes (SE)	# of blocks of contiguous sleep epochs
Mean Sleep Episode	Mean duration of SE (minutes)
Long Sleep Episodes	SE >= value in Options: Sleep: Sleep Statistics Criteria text box
Longest SE	Duration of longest SE (minutes)
Low Lux	Lowest Light measurement
High Lux	Highest Light measurement
Mean Lux	Light measurement mean
Std dev Lux	SD of Light Mean Lux
Mins >20 Lux	Minutes above 20 Lux
Mins >500 Lux	Minutes above 500 Lux
Mins >1000 Lux	Minutes above 1000 Lux
Mins >10000 Lux	Minutes above 10000 Lux
% int >20 Lux	% of interval above 20 Lux
% int >500 Lux	% of interval above 500 Lux
% int >1000 Lux	% of interval above 1000 Lux
% int >10000 Lux	% of interval above 10000 Lux

Action-W, Version 2.7