

STAT	Statistics MENU - cat : STAT	Statistics functions	Category: Statistics
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3	gShifted	CLΣ	\bar{x}_G	ϵ	ϵ_p	ϵ_m	\bar{x}_{RMS}
2	fShifted	Σ-	\bar{x}_w	s_w	σ_w	s_{mw}	\bar{x}_H
1	primary	Σ+	\bar{x}	s	σ	s_m	n
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STAT	Page 1								
F-key	Button label	Full name	Extended description	Type	Flag name	Additional information	Catalog	Default	Status
F1	Σ+	Sigma+	Enter data into the statistics matrix (STATS)	Function		TI : nnn data points	Σ+		
F2	\bar{x}	Arithmetic means	Arithmetic means -- formula 210 (XBAR.png)	Function		TI : \bar{x} ; \bar{y} = (2 stack levels)			
F3	s	Sample standard deviation	Sample standard deviation -- formula 190 (STDDEVWEIGHTED.png)	Function		TI : s_x ; s_y = (2 stack levels)	s		
F4	σ	Population standard deviation	Population standard deviation -- formula 170 (STDDEV.png)	Function		TI : σ_x ; σ_y = (2 stack levels)	σ		
F5	s_m	Standard error of the mean	Standard error of the mean -- formula 150 (SM.png)	Function		TI : s_{mx} ; s_{my} = (2 stack levels)	s _m		
F6	n	n	Number of samples	Function			nΣ		

fShifted F1	Σ-	Sigma-	Remove data from the statistics matrix (STATS)	Function		TI : nnn data points	Σ-		
fShifted F2	\bar{x}_w	Weighted mean	Weighted means of x with weight y -- formula 250 (XW.png)	Function		TI : \bar{x}_w =	\bar{x}_w		
fShifted F3	s_w	Weighted population standard deviation	Weighted population standard deviation -- formula 200 (SW.png)	Function		TI : s_w =	s _w		
fShifted F4	σ_w	Weighted population standard deviation	Weighted population standard deviation -- formula 180 (STDDEVPOP.png)	Function		TI : σ_w =	σ _w		
fShifted F5	s_{mw}	Standard error of the weighted mean	Standard error of the weighted mean -- formula 160 (SMW.png)	Function		TI : s_{mw} =	s _{mw}		
fShifted F6	\bar{x}_H	Harmonic means	Harmonic means -- formula 230 (XH.png)	Function		TI : \bar{x}_H ; \bar{y}_H = (2 stack levels)	\bar{x}_H		

gShifted F1	CLΣ	Clear statistics	Clear all statistics data (and delete STATS and HISTO matrices)	Function			CLΣ		
gShifted F2	\bar{x}_G	Geometric means	Geometric means -- formula 220 (XG.png)	Function		TI : \bar{x}_G ; \bar{y}_G = (2 stack levels)	\bar{x}_G		
gShifted F3	ϵ	Scattering factor for a lognormal sample	Scattering factor for a lognormal sample -- formula 110 (SCATTFACt.png)	Function		TI : ϵ_x ; ϵ_y = (2 stack levels)	ϵ		
gShifted F4	ϵ_p	Scattering factor for a lognormal population	Scattering factor for a lognormal population -- formula 130 (SCATTFACtp.png)	Function		TI : ϵ_{px} ; ϵ_{py} = (2 stack levels)	ϵ_p		
gShifted F5	ϵ_m	Scattering factor of the geometric mean	Scattering factor of the geometric mean -- formula 120 (SCATTFACtm.png)	Function		TI : ϵ_{mx} ; ϵ_{my} = (2 stack levels)	ϵ_m		
gShifted F6	\bar{x}_{RMS}	Quadratic means	Quadratic means (root mean square) -- formula 240 (XRMS2.png)	Function		TI : \bar{x}_{RMS} ; \bar{x}_{RMS} = (2 stack levels)	\bar{x}_{RMS}		