

STAT	Statistics					
g-shift	n	$\bar{x}_G$	ε	ε_P	ε_m	REGR
f-shift	Σ^-	$\bar{x}_u$	s_u	σ_u	s_{mu}	$\bar{x}_H$
unshifted	Σ^+	$\bar{x}$	s	σ	s_m	$\bar{x}_{RMS}$
Page 1	F1	F2	F3	F4	F5	F6

Prev menu https://47calc.com/doc/R47/Menus/R47v0_Menu_Speed_page_1.pdf

Next menu https://47calc.com/doc/R47/Menus/R47v0_Menu_STAT_page_2.pdf

Ref 1 https://47calc.com/doc/R47/Reference/R47v0_Formulas.pdf

Level	Label	Type	FullName	Extended description	Category	Flag	Catalog	Default
Menu p1	STAT	MENU	Statistics	Statistics functions ; Ref : https://47calc.com/doc/R47/Reference/R47v0_Formulas.pdf	Summary statistics		STAT	
F1	$\Sigma+$	Command	Sigma+	Enter data into the statistics matrix (STATS) ; TI : nnn data point(s) ; Info : if a nx2 matrix is in X, $\Sigma+$ appends the data to the STATS matrix (creating it as necessary) ; $\Sigma+$ disables automatic stack lift for the next entry	Summary statistics		$\Sigma+$	
F2	$\bar{x}$	Command	Arithmetic means	Arithmetic means, x and y -- see Formula_XBAR.png : https://47calc.com/doc/Images/Formula_XBAR.png ; TI : $\bar{x} =$; $\bar{y} =$	Summary statistics		$\bar{x}$	
F3	s	Command	Sample standard deviation	Sample standard deviation -- see Formula_STDDEVWEIGHTED.png : https://47calc.com/doc/Images/Formula_STDDEVWEIGHTED.png ; TI : $s_x =$; $s_y =$	Summary statistics		s	
F4	σ	Command	Population standard deviation	Population standard deviation -- see Formula_STDDEV.png : https://47calc.com/doc/Images/Formula_STDDEV.png ; TI : $\sigma_x =$; $\sigma_y =$	Summary statistics		σ	
F5	s_m	Command	Standard error of the mean	Standard error of the mean -- see Formula_SM.png : https://47calc.com/doc/Images/Formula_SM.png ; TI : $s_{mx} =$; $s_{my} =$	Summary statistics		s_m	
F6	$\bar{x}_{RMS}$	Command	Quadratic mean	Data evaluation of quadratic mean -- see Formula_XRMS.png : https://47calc.com/doc/Images/Formula_XRMS.png ; TI : $\bar{x}_{RMS} =$; $\bar{y}_{RMS} =$	Summary statistics		$\bar{x}_{RMS}$	
ff1	$\Sigma-$	Command	Sigma-	Remove data from the statistics matrix (STATS) and put the values on the stack ; TI : nnn data points ; Info : $\Sigma-$ pushes values onto the stack unless automatic stack lift is disabled, e.g. by $\Sigma+$	Summary statistics		$\Sigma-$	
ff2	$\bar{x}_w$	Command	Weighted mean	Data evaluation of weighted mean -- see Formula_XW.png : https://47calc.com/doc/Images/Formula_XW.png ; TI : $\bar{x}_w =$	Summary statistics		$\bar{x}_w$	
ff3	s_w	Command	Weighted population standard deviation	Weighted population standard deviation -- see Formula_SW.png : https://47calc.com/doc/Images/Formula_SW.png ; TI : $s_w =$	Summary statistics		s_w	
ff4	σ_w	Command	Weighted population standard deviation	Weighted population standard deviation -- see Formula_STDDEVPOP.png : https://47calc.com/doc/Images/Formula_STDDEVPOP.png ; TI : $\sigma_w =$	Summary statistics		σ_w	
ff5	s_{mw}	Command	Standard error of the weighted mean	Standard error of the weighted mean -- see Formula_SMW.png : https://47calc.com/doc/Images/Formula_SMW.png ; TI : $s_{mw} =$	Summary statistics		s_{mw}	
ff6	$\bar{x}_H$	Command	Harmonic mean	Data evaluation of harmonic mean -- see Formula_XH.png : https://47calc.com/doc/Images/Formula_XH.png ; TI : $\bar{x}_H =$; $\bar{y}_H =$	Summary statistics		$\bar{x}_H$	
gf1	n	Command	n	Number of samples	Summary statistics		$n\Sigma$	
gf2	$\bar{x}_G$	Command	Geometric mean	Data evaluation of geometric mean -- see Formula_XG.png : https://47calc.com/doc/Images/Formula_XG.png ; TI : $\bar{x}_G =$; $\bar{y}_G =$	Summary statistics		$\bar{x}_G$	
gf3	ϵ	Command	Scattering factor for a lognormal sample	Scattering factor for a lognormal sample -- see Formula_SCATTFACT.png : https://47calc.com/doc/Images/Formula_SCATTFACT.png ; TI : $\epsilon_x =$; $\epsilon_y =$	Summary statistics		ϵ	
gf4	ϵ_p	Command	Scattering factor for a lognormal population	Scattering factor for a lognormal population -- see Formula_SCATTFACTp.png : https://47calc.com/doc/Images/Formula_SCATTFACTp.png ; TI : $\epsilon_{px} =$; $\epsilon_{py} =$	Summary statistics		ϵ_p	
gf5	ϵ_m	Command	Scattering factor of the geometric mean	Scattering factor of the geometric mean -- see Formula_SCATTFACTm.png : https://47calc.com/doc/Images/Formula_SCATTFACTm.png ; TI : $\epsilon_{mx} =$; $\epsilon_{my} =$	Summary statistics		ϵ_m	
gf6	REGR	MENU	Regression	Regression functions	Plotting and curve fitting		REGR	

p1	STAT	Link
F1	Σ^+	
F2	$\bar{x}$	
F3	s	
F4	σ	
F5	s_m	
F6	$\bar{x}_{RMS}$	
fF1	Σ^-	
fF2	$\bar{x}_w$	
fF3	s_w	
fF4	σ_w	
fF5	s_{mw}	
fF6	$\bar{x}_H$	
gF1	n	
gF2	$\bar{x}_G$	
gF3	ε	
gF4	ε_p	
gF5	ε_m	
gF6	REGR	https://47calc.com/doc/R47/Menus/R47v0_Menu_REGR_page_1.pdf