

MODEL	Model					
g-shift	ResetF	AllF	BestF ₁	BestF#		OrthoF ☐
f-shift	RootF ☐	HypF ☐	ParabF ☐	CauchF ☐	GaussF ☐	
unshifted	LinF ☒	ExpF ☐	LogF ☐	PowerF ☐	L.R.	ASSESS
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Prev menu

https://47calc.com/doc/R47/Menus/R47v0_Menu_MODE_page_3.pdf

Next menu

https://47calc.com/doc/R47/Menus/R47v0_Menu_MULTSTK_page_1.pdf

Ref 1

https://47calc.com/doc/R47/Reference/R47v0_BestF_param.pdf

Level	Label	Type	FullName	Extended description	Category	Flag	Catalog	Default
Menu p1	MODEL	MENU	Model	Functions to set parameter for which models are selected in the LR analysis ; Ref : https://47calc.com/doc/R47/Reference/R47v0_BestF_param.pdf	Plotting and curve fitting		MODEL	
F1	LinF ☒	Setting	Linear fit	Set <BestF> to include Linear curve fitting : $y = a_0 + a_1x$; deselects OrthoF ; Info : Adds 1 to <BestF> ; TI : L.R. selected to <BestF>.	Plotting and curve fitting		LinF ☒	ON
F2	ExpF ☐	Setting	Exponential fit	Set <BestF> to include Exponential curve fitting : $y = a_0 e^{(a_1x)}$; deselects OrthoF ; Info : Adds 2 to <BestF> ; TI : L.R. selected to <BestF>.	Plotting and curve fitting		ExpF ☐	OFF
F3	LogF ☐	Setting	Logarithmic fit	Set <BestF> to include Logarithmic curve fitting : $y = a_0 + a_1 \ln(x)$; deselects OrthoF ; Info : Adds 4 to <BestF> ; TI : L.R. selected to <BestF>.	Plotting and curve fitting		LogF ☐	OFF
F4	PowerF ☐	Setting	Power fit	Set <BestF> to include Power curve fitting : $y = a_0 x^{a_1}$; deselects OrthoF ; Info : Adds 8 to <BestF> ; TI : L.R. selected to <BestF>.	Plotting and curve fitting		PowerF ☐	OFF
F5	L.R.	Command	Linear Regression	Calculate all selected regression models, and select the one with the best coefficient of fit model correlation (r) ; TI : <model>* $a_2 =$; $y = a_1 =$; <formula> $a_0 =$	Plotting and curve fitting		L.R.	
F6	ASSESS	MENU (item)	Assess	Display graphical assessments of the selected regression curves	Plotting and curve fitting			
fF1	RootF ☐	Setting	Root fit	Set <BestF> to include Root curve fitting : $y = a_0 a_1^{(1/x)}$; deselects OrthoF ; Info : Adds 16 to <BestF> ; TI : L.R. selected to <BestF>.	Plotting and curve fitting		RootF ☐	OFF
fF2	HypF ☐	Setting	Hyperbolic fit	Set <BestF> to include Hyperbolic curve fitting : $y = (a_0 + a_1x)^{-1}$; deselects OrthoF ; Info : Adds 32 to <BestF> ; TI : L.R. selected to <BestF>.	Plotting and curve fitting		HypF ☐	OFF
fF3	ParabF ☐	Setting	Parabolic fit	Set <BestF> to include Parabolic curve fitting : $y = a_0 + a_1x + a_2x^2$; deselects OrthoF ; Info : Adds 64 to <BestF> ; TI : L.R. selected to <BestF>.	Plotting and curve fitting		ParabF ☐	OFF
fF4	CauchF ☐	Setting	Cauchy peak fit	Set <BestF> to include Cauchy peak curve fitting : $y = [a_0 (x + a_1)^2 + a_2]^{-1}$; deselects OrthoF ; Info : Adds 128 to <BestF> ; TI : L.R. selected to <BestF>.	Plotting and curve fitting		CauchF ☐	OFF
fF5	GaussF ☐	Setting	Gauss peak fit	Set <BestF> to include Gauss peak curve fitting : $y = a_0 e^{[(x - a_1)^2 / a_2]}$; deselects OrthoF ; Info : Adds 256 to <BestF> ; TI : L.R. selected to <BestF>.	Plotting and curve fitting		GaussF ☐	OFF
fF6								
gF1	ResetF	Command	Reset fitting	Reset <BestF> to default (1) ; TI : L.R. selected to 001	Plotting and curve fitting		ResetF	
gF2	AllF	Command	Set all (models)	Set <BestF> to include all curve fitting models (511) ; deselects OrthoF ; TI : L.R. selected to 511	Plotting and curve fitting		AllF	
gF3	BestF ₁	Setting	Set Best Fit	Select curve fit model(s) by setting parameter value directly ; TAM : BestF ---- TamNonReg menu	Plotting and curve fitting		BestF ₁	1
gF4	BestF#	Command	Get Best Fit	Get parameter for which models are selected in the LR analysis ; Info : Set in menu MODEL	Plotting and curve fitting		BestF#	
gF5								
gF6	OrthoF ☐	Setting	Orthogonal fit	Select orthogonal curve fitting (used in PLSTAT) ; deselects other curve fit settings ; Info : Sets <BestF> to 0 ; TI : L.R. selected to OrthoF	Plotting and curve fitting		OrthoF ☐	OFF

p1	MODEL	Link
F1	LinF ☐	
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F4	PowerF ☐	
F5	L.R.	
F6	ASSESS	https://47calc.com/doc/R47/Menus/R47v0_Menu_ASSESS_page_1.pdf
fF1	RootF ☐	
fF2	HypF ☐	
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fF4	CauchF ☐	
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fF6		
gF1	ResetF	
gF2	AllF	
gF3	BestF ₁	
gF4	BestF#	
gF5		
gF6	OrthoF ☐	