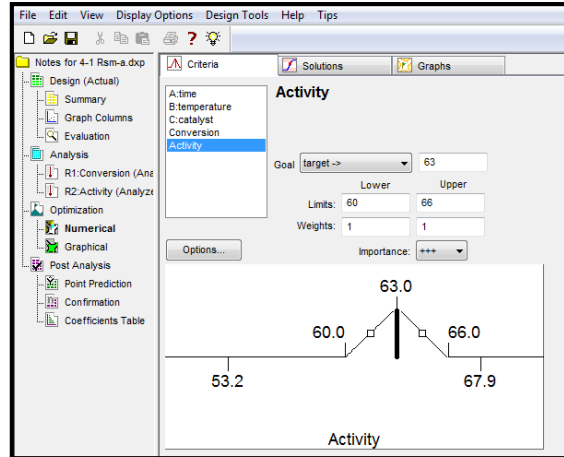


Design-Expert® software version 9 (DX9) Confirmation Runs Feature

DX9 allows direct entry of confirmation runs for model validation. To see this demonstrated, open “RSM-a.dxp”. Then, as shown below, under the Optimization branch, do a Numerical optimization to target the Activity at 63 within specification Limits of 60 and 66. Click the Solutions tab to see the result of Design-Expert’s search for the most desirable combination of factors.

Now, click the Confirmation node and for $n = 5$ check (✓) the Enter Data box and, in the spreadsheet that pops open, type the Activity results shown below:



Response	Predicted Mean	Predicted Median	Observed	Std Dev	n	SE Pred	95% PI low	Data Mean	95% PI high
Conversion	84.5561	84.5561	-	4.10758	5	2.47848	78.9494	63.5	90.1628
Activity	63.0001	63.0001	-	0.980643	5	0.51656	61.8991	63.5	64.1011

Conversion	Activity
	60.5
	62.8
	62.1
	64.8
	67.3

Interval Bound:	Two-sided
a =	0.05
n =	5
Point #:	
<input checked="" type="checkbox"/> Enter Data	
Help	

The mean then appears in the middle of the prediction interval—black if OK, but red when out of bounds. How did you do?