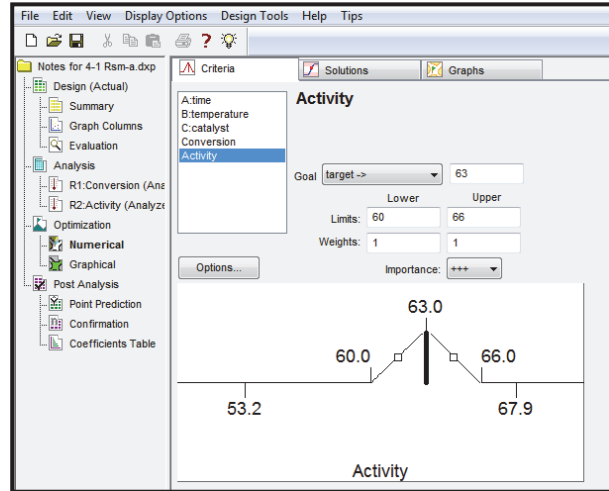


Design-Expert® Software: Confirmation Runs Feature

Design-Expert (DX) allows direct entry of confirmation runs for model validation. To see this demonstrated, open “RSM-a.dxp”. Then, as shown at right, 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 (shown below) 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	87.2626	87.2626	-	4.10758	5	2.81	80.91		93.62
Activity	63.0001	63.0001	-	0.980643	5	0.59	61.74	63.50	64.26

Conversion	Activity
	60.5
	62.8
	62.1
	64.8
	67.3

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

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

How did you do?