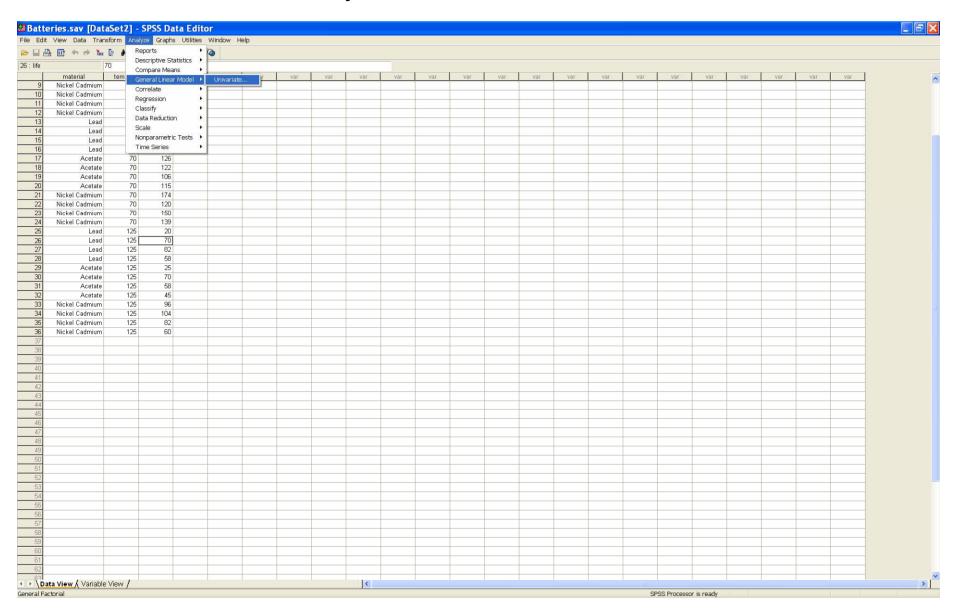
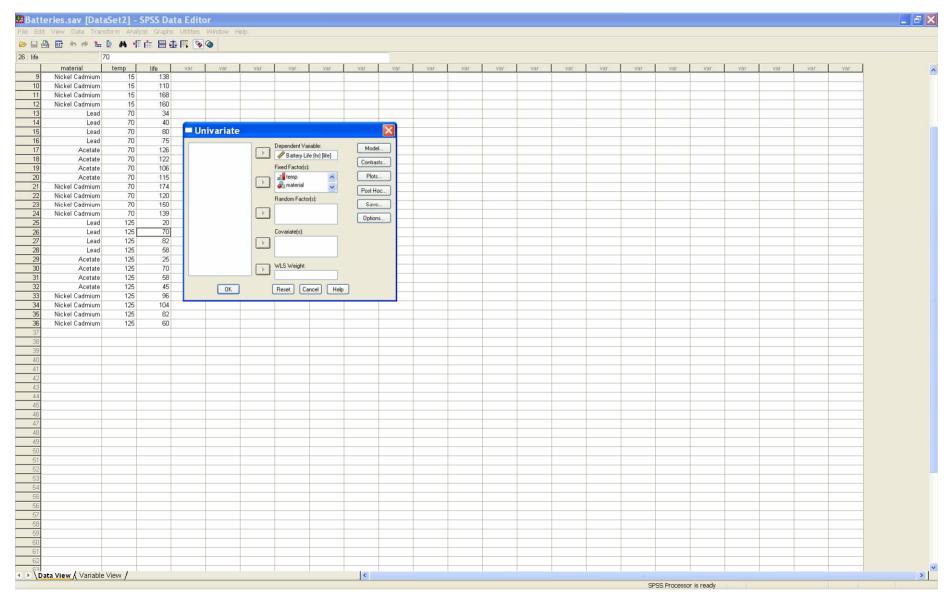
#### **Batteries Data Set**

	View Data Tran					ra-r																	
fe		70																					
	material	temp	life	var	var	var	var	var	var	var	var	var	var	var	var	var	var	var	var	var	var	var	var
9	Nickel Cadmium	15	138																				
10	Nickel Cadmium	15	110																				
11	Nickel Cadmium	15	168																				
12 13	Nickel Cadmium Lead	15 70	160 34																				
14	Lead	70	40																				
15	Lead	70	80													1							
16	Lead	70	75																				
17	Acetate	70	126																				
18	Acetate	70	122																				
19	Acetate	70	106							1													
20	Acetate	70	115																				
21	Nickel Cadmium Nickel Cadmium	70 70	174 120																				
23	Nickel Cadmium	70	150																				
24	Nickel Cadmium	70	139																				
25	Lead	125	20																				
26	Lead	125	70																				
27	Lead	125	82																				
28	Lead	125	58																				
29	Acetate	125	25																				
30 31	Acetate Acetate	125 125	70 58																				
32	Acetate	125	45																				
33	Nickel Cadmium	125	96																				
34	Nickel Cadmium	125	104																				
35	Nickel Cadmium	125	82																				
36	Nickel Cadmium	125	60																				
37																							
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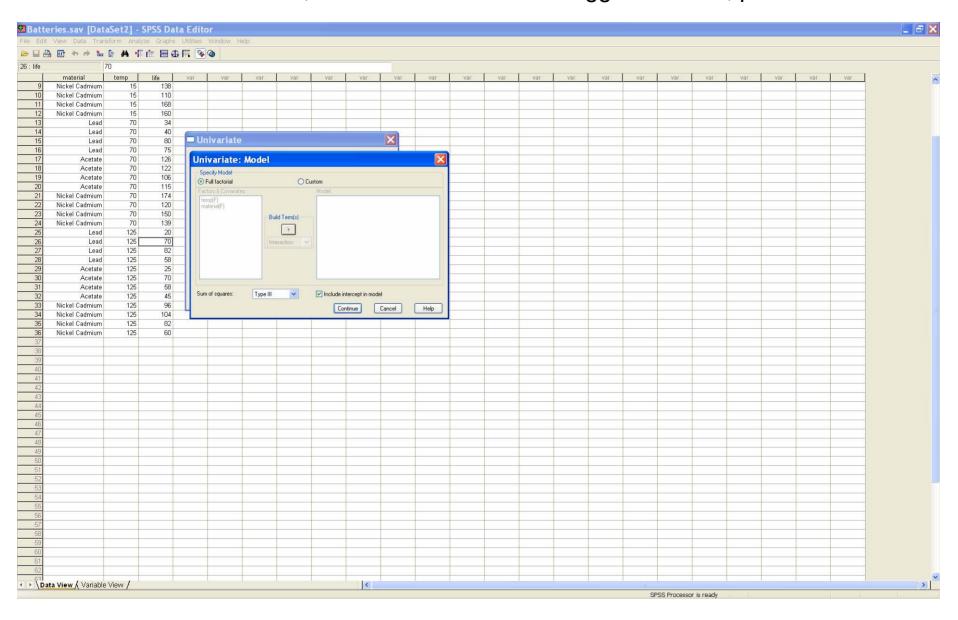
#### Select Analyze: General Linear Model: Univariate



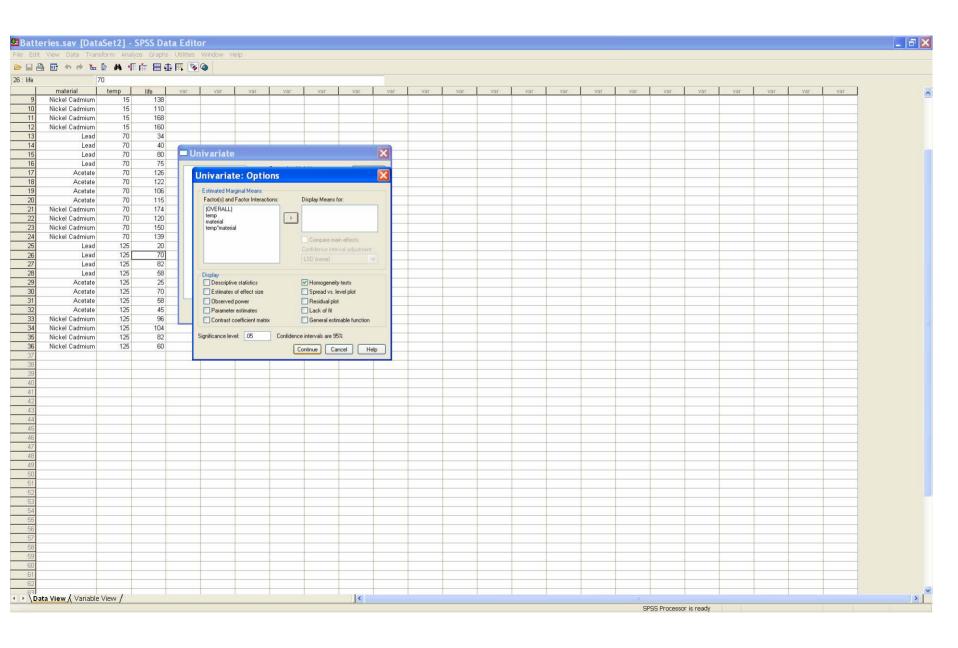
# Choose the Response (*Dependent Variable*) and Factor and Blocking variables (*Fixed Factor(s)*)



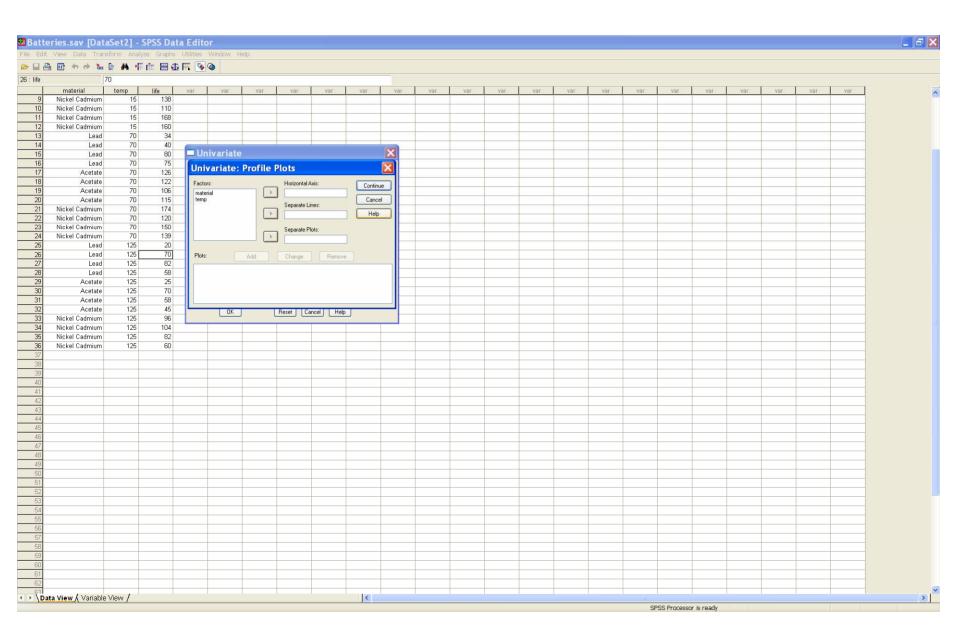
#### Press the Model button; leave the Full Factorial toggle selected; press Continue



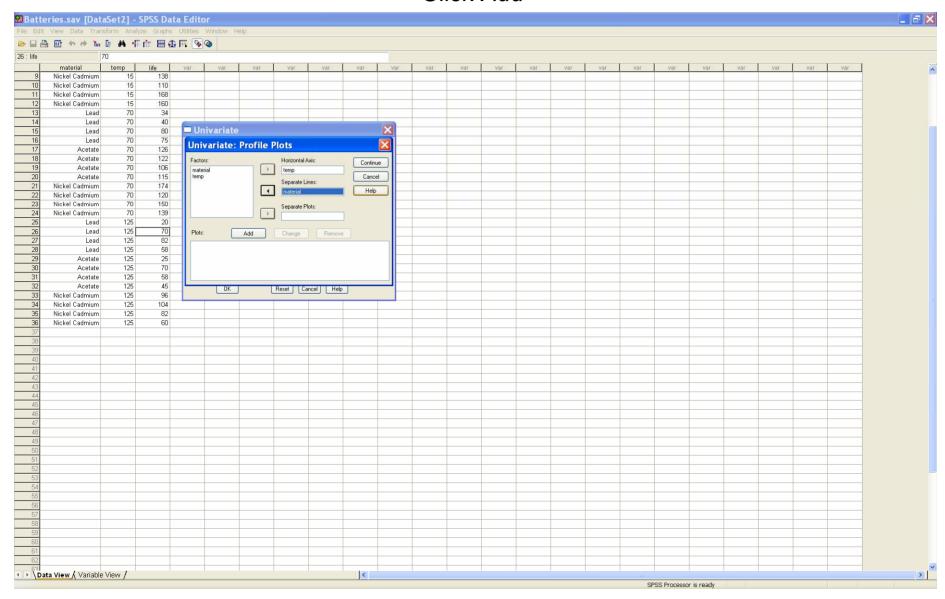
Press the Options button. Select Homogeneity tests. Then press Continue.



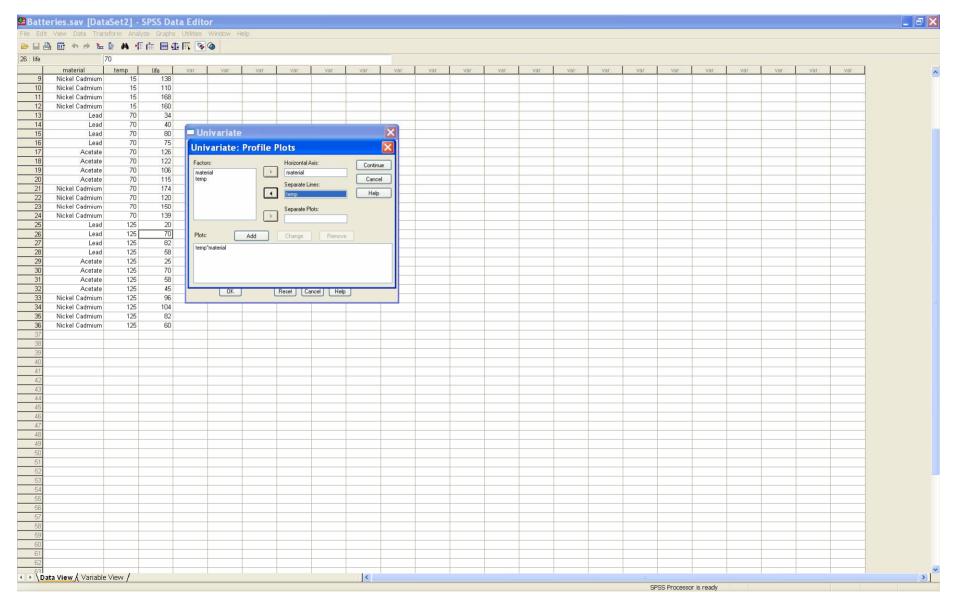
#### Press the *Plots* button; we will produce the means plots



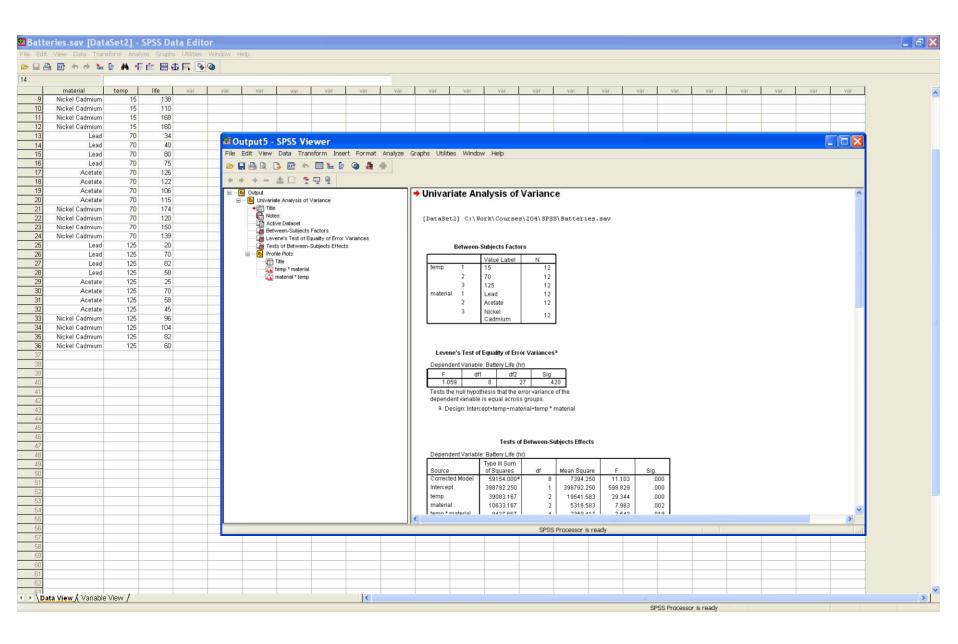
### Highlight **temp** for the *Horizontal Axis*, and **material** for the *Separate Lines*. Click *Add*



## Highlight **material** for the *Horizontal Axis*, and **temp** for the *Separate Lines*. Click *Add*, then *Continue*.



#### Click OK and the output is generated



To fit the model WITHOUT interaction, use the model window to select *Custom* (not *Full factorial*), and then the two variables as *main effects*.

