

```

title 'Battery Life';

data battery;
input mat temp life @@;
datalines;
1 1 130 1 1 155 1 1 74 1 1 180
1 2 34 1 2 40 1 2 80 1 2 75
1 3 20 1 3 70 1 3 82 1 3 58
2 1 150 2 1 188 2 1 159 2 1 126
2 2 136 2 2 122 2 2 106 2 2 115
2 3 25 2 3 70 2 3 58 2 3 45
3 1 138 3 1 110 3 1 168 3 1 160
3 2 174 3 2 120 3 2 150 3 2 139
3 3 96 3 3 104 3 3 82 3 3 60
;
run;

proc glm data=battery;
class mat temp;
model life=mat temp mat*temp;
lsmeans mat*temp/slice=temp ;
lsmeans mat*temp/slice=mat ;

run;

```