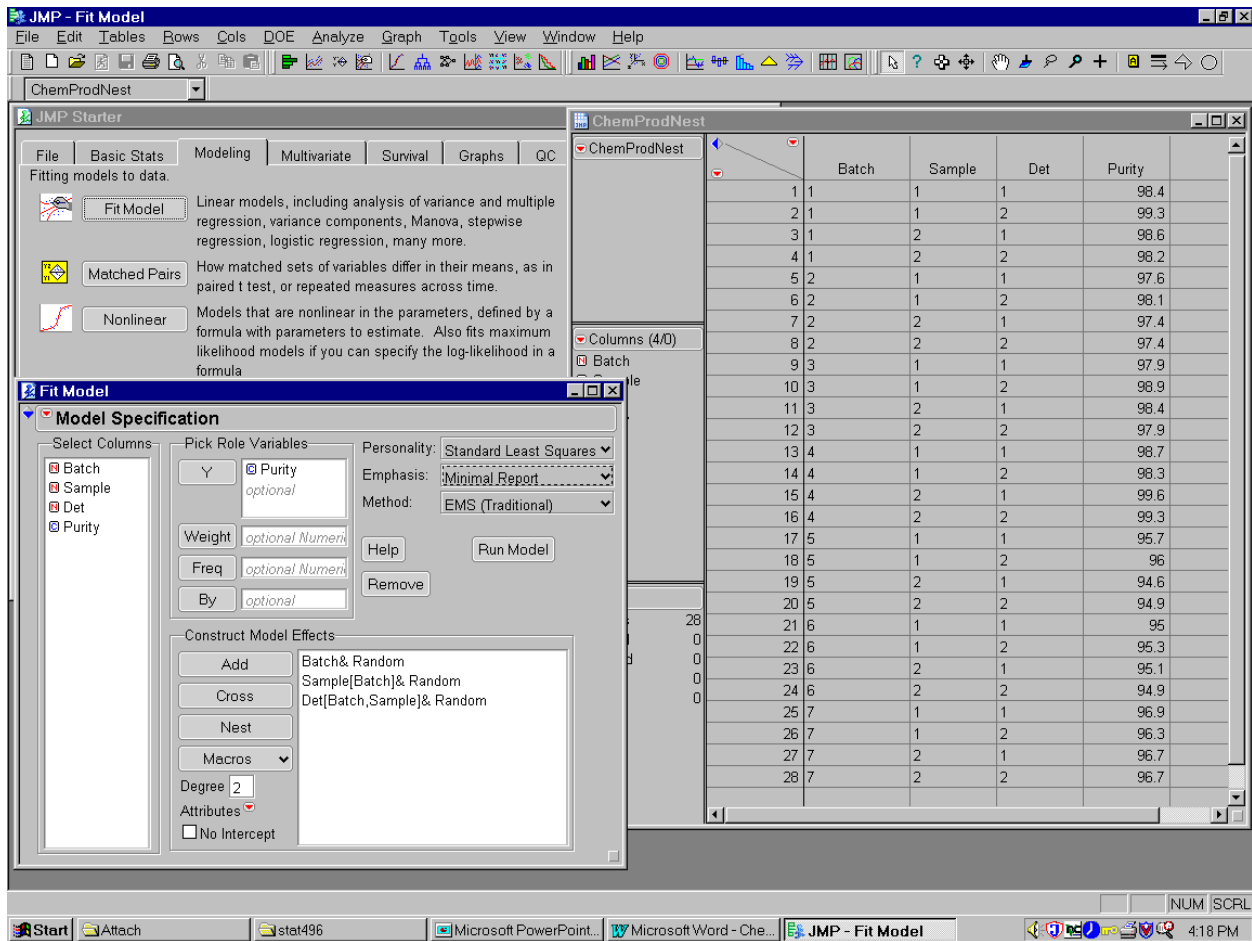


JMP analysis of Chemical Product Nested Design Data



Expected Mean Squares

The Mean Square per row by the Variance Component per column

EMS	Intercept	Batch &Random	Sample[Batch] &Random	Det[Batch,Sample] &Random
Intercept	0	0	0	0
Batch &Random	0	4	2	1
Sample[Batch] &Random	0	0	2	1
Det[Batch,Sample] &Random	0	0	0	1

plus 1.0 times Residual Error Variance

Variance Component Estimates

Component	Var Comp Est	Percent of Total
Batch&Random	2.397262	90.654
Sample[Batch]&Random	0.126071	4.767
Det[Batch,Sample]&Random	0.121071	4.578
Total	2.644405	100.000

These estimates based on equating Mean Squares to Expected Value.

Tests wrt Random Effects

Source	SS	MS Num	DF Num	F Ratio	Prob > F
Batch &Random	59.7736	9.96226	6	26.6931	0.0002
Sample[Batch] &Random	2.6125	0.37321	7	3.0826	0.0347
Det[Batch,Sample] &Random	1.695	0.12107	14	.	.