

Two-Way ANOVA: Biomass included error versus Temp included error, Nitrogen included error

Factor Information

Factor	Levels	Values
Temp included error	2	16.5 C, 20.5 C
Nitrogen included error	2	Amb N, Elev N

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Temp included error	1	85.483	85.4829	296.55	<0.0001
Nitrogen included error	1	2.405	2.4047	8.34	0.0050
Temp included error*Nitrogen included error	1	0.874	0.8740	3.03	0.0857
Error	76	21.908	0.2883		
Total	79	110.669			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
0.536895	80.20%	79.42%	78.07%

Fits and Diagnostics for Unusual Observations

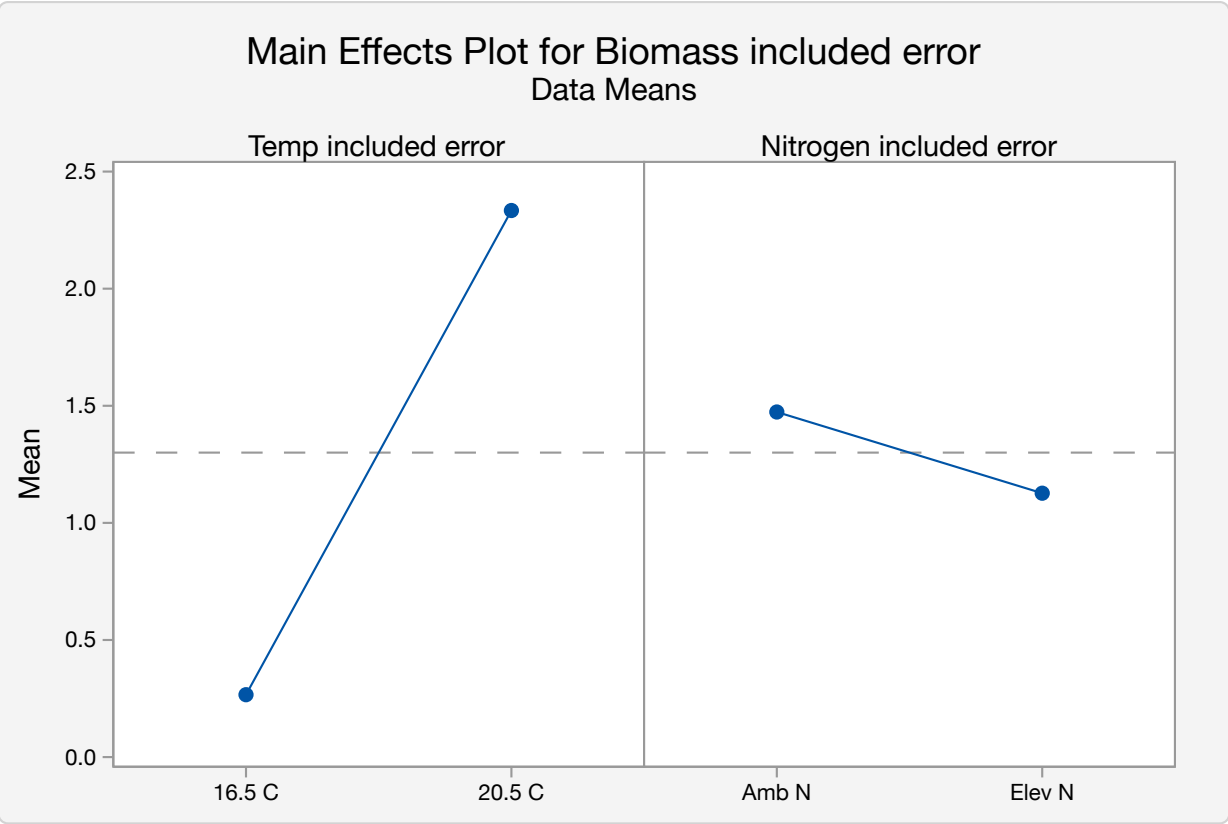
Obs	Biomass included error	Fit	Resid	Std Resid	
3	3.279	2.05585	1.22315	2.34	R
4	0.945	2.05585	-1.11085	-2.12	R
5	0.986	2.05585	-1.06985	-2.04	R
6	3.208	2.05585	1.15215	2.20	R
8	0	2.05585	-2.05585	-3.93	R
13	0	2.05585	-2.05585	-3.93	R
20	0.676	2.05585	-1.37985	-2.64	R

R Large residual

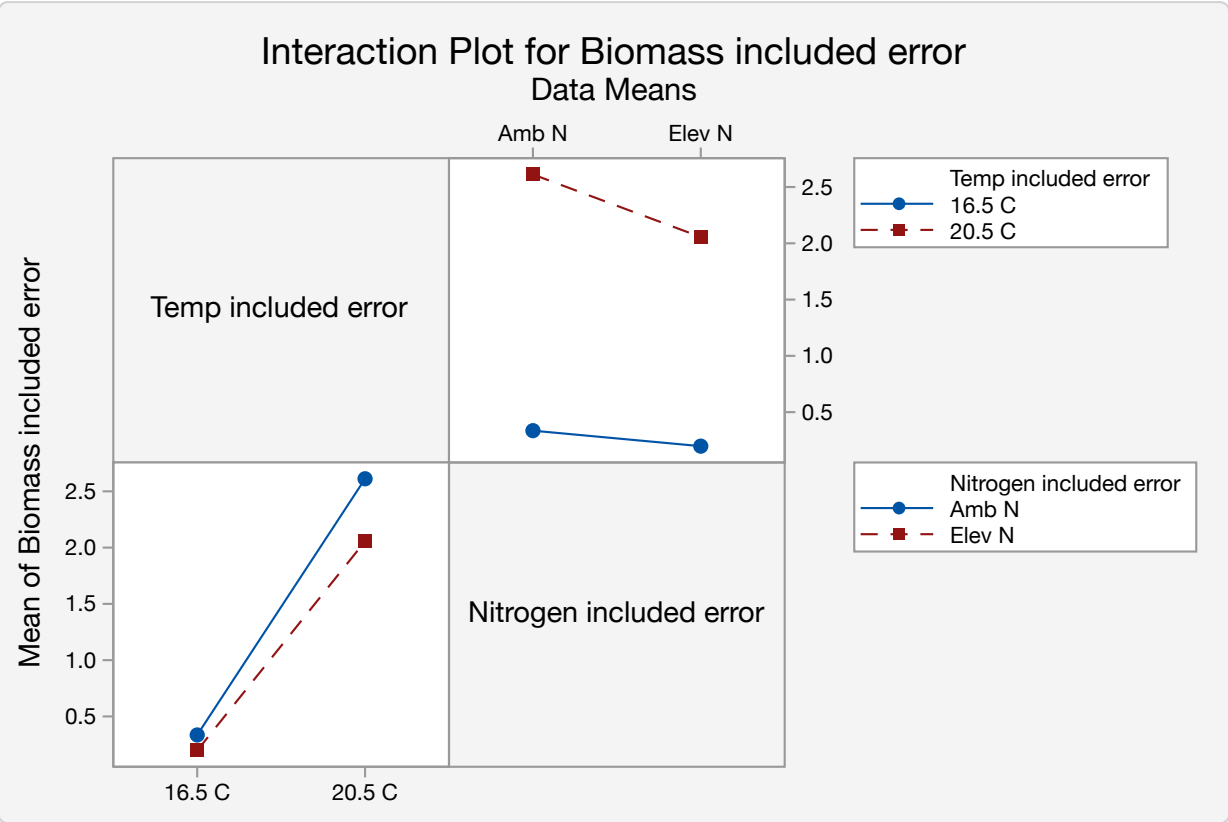
Means

Term	Fitted Mean	SE Mean
Temp included error		
16.5 C	0.26635	0.08489
20.5 C	2.33375	0.08489
Nitrogen included error		
Amb N	1.47343	0.08489
Elev N	1.12668	0.08489
Temp included error*Nitrogen included error		
16.5 C Amb N	0.3352	0.1201
16.5 C Elev N	0.1975	0.1201
20.5 C Amb N	2.6117	0.1201
20.5 C Elev N	2.0559	0.1201

Main Effects Plot for Biomass included error



Interaction Plot for Biomass included error



Two-Way ANOVA: Biomass removed error versus Temp removed error, Nitrogen removed error

Factor Information

Factor	Levels	Values
Temp removed error	2	16.5 C, 20.5 C
Nitrogen removed error	2	Amb N, Elev N

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Temp removed error	1	82.5962	82.5962	453.14	<0.0001
Nitrogen removed error	1	0.8741	0.8741	4.80	0.0319
Temp removed error*Nitrogen removed error	1	0.1139	0.1139	0.62	0.4319
Error	69	12.5770	0.1823		
Total	72	96.7882			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
0.426937	87.01%	86.44%	85.46%

Fits and Diagnostics for Unusual Observations

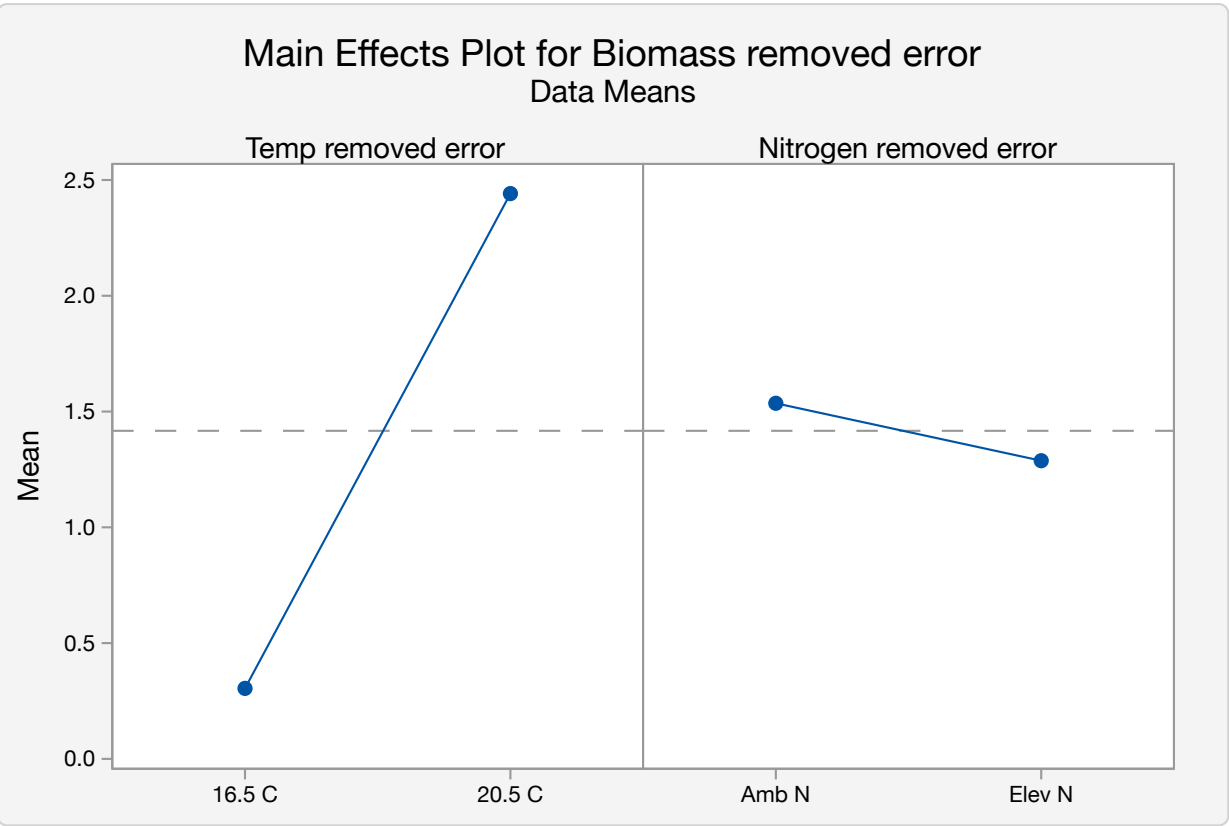
Obs	Biomass removed error	Fit	Resid	Std Resid	
3	3.279	2.28428	0.99472	2.40	R
4	0.945	2.28428	-1.33928	-3.23	R
5	0.986	2.28428	-1.29828	-3.13	R
6	3.208	2.28428	0.92372	2.23	R
18	0.676	2.28428	-1.60828	-3.88	R

R Large residual

Means

Term	Fitted Mean	SE Mean
Temp removed error		
16.5 C	0.30240	0.07219
20.5 C	2.43346	0.06935
Nitrogen removed error		
Amb N	1.47755	0.06935
Elev N	1.25832	0.07219
Temp removed error*Nitrogen removed error		
16.5 C Amb N	0.3724	0.1006
16.5 C Elev N	0.2324	0.1035
20.5 C Amb N	2.58265	0.09547
20.5 C Elev N	2.2843	0.1006

Main Effects Plot for Biomass removed error



Interaction Plot for Biomass removed error

