

Análisis de la Corriente, 723 (Experimento para determinación de Curvatura)
CB_723_SQ_03252006.sgp (CB_723_SQ_03262006.sfx)
16/04/2006 3:46 p.m.

Analysis Summary

Dependent variable: Ol_y_Ona_723

Factors:

- Carga
- Vapor_E530
- P_C525
- Nivel_V540
- Vapor_E532

Number of complete cases: 243

The StatAdvisor

This procedure performs a multifactor analysis of variance for Ol y Ona 723. It constructs various tests and graphs to determine which factors have a statistically significant effect on Ol y Ona 723. It also tests for significant interactions amongst the factors, given sufficient data. The F-tests in the ANOVA table will allow you to identify the significant factors. For each significant factor, the Multiple Range Tests will tell you which means are significantly different from which others. The Means Plot and Interaction Plot will help you interpret the significant effects. The Residual Plots will help you judge whether the assumptions underlying the analysis of variance are violated by the data.

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Analysis of Variance for Ol y Ona 723 - Type III Sums of Squares

Source	Sum of Squares	Df	Mean Square	F-Ratio	P-Value
MAIN EFFECTS					
A:Carga	16093,2	2	8046,6	1467,54	0,0000
B:Vapor E530	5926,88	2	2963,44	540,47	0,0000
C:P C525	25708,2	2	12854,1	2344,33	0,0000
D:Nivel_V540	14331,4	2	7165,68	1306,88	0,0000
E:Vapor_E532	1631,25	2	815,625	148,75	0,0000
INTERACTIONS					
AB	223,134	4	55,7834	10,17	0,0000
AC	128,697	4	32,1743	5,87	0,0003
AD	142,317	4	35,5793	6,49	0,0001
AE	26,4789	4	6,61972	1,21	0,3117
BC	654,745	4	163,686	29,85	0,0000
BD	53,3169	4	13,3292	2,43	0,0517
BE	201,52	4	50,38	9,19	0,0000
CD	663,962	4	165,99	30,27	0,0000
CE	3004,23	4	751,058	136,98	0,0000
DE	270,408	4	67,6021	12,33	0,0000
ABC	308,914	8	38,6142	7,04	0,0000
ABD	43,9439	8	5,49298	1,00	0,4388
ABE	60,2099	8	7,52623	1,37	0,2162
ACD	55,638	8	6,95475	1,27	0,2671
ACE	355,925	8	44,4906	8,11	0,0000
ADE	96,4978	8	12,0622	2,20	0,0325
BCD	55,481	8	6,93513	1,26	0,2690
BCE	216,225	8	27,0281	4,93	0,0000
BDE	55,2948	8	6,91184	1,26	0,2713
CDE	502,497	8	62,8122	11,46	0,0000
RESIDUAL	614,102	112	5,48306		
TOTAL (CORRECTED)	71424,4	242			

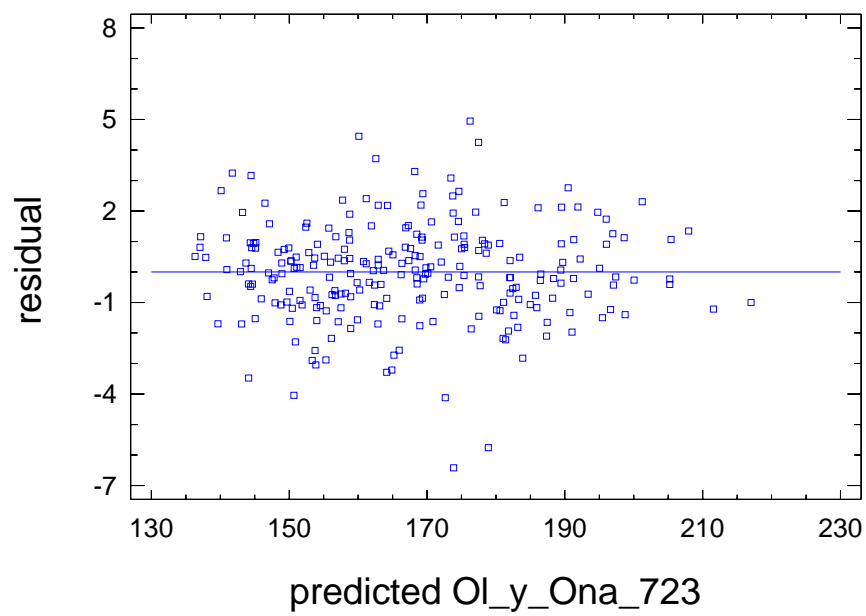
All F-ratios are based on the residual mean square error.

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The ANOVA table decomposes the variability of Ol y Ona 723 into contributions due to various factors. Since Type III sums of squares (the default) have been chosen, the contribution of each factor is measured having removed the effects of all other factors. The P-values test the statistical significance of each of the factors. Since 18 P-values are less than 0,05, these factors have a statistically significant effect on Ol_y_Ona_723 at the 95,0% confidence level.

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Residual Plot for OI_y_Ona_723



e, 723 (Experimento para determinación de Curvatura)
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Residual Plot for Ol_y_Ona_723

