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The MEANS Procedure

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
ms	ms	1287	24.8689200	18.0581732	1.0000000	75.0000000
qual	qual	1287	22.7404040	26.2941703	-25.0000000	85.0000000
price	price	1287	103.8041181	6.1161622	85.0000000	125.0000000
plb	plb	1287	102.3325563	7.1473421	85.0000000	125.0000000
dc	dc	1287	2.0909091	0.7859396	1.0000000	3.0000000
pion	pion	1287	0.5190365	0.4998317	0	1.0000000
ef	ef	1287	0.3255633	0.4687671	0	1.0000000
phpf	phpf	1287	0.1569542	0.3638989	0	1.0000000
plpf	plpf	1287	0.0225330	0.1484669	0	1.0000000
psc	psc	1287	0.0015540	0.0394055	0	1.0000000
рарс	papc	1287	0.0753691	0.2640886	0	1.0000000
ncomp	ncomp	1287	2.2859363	1.0592022	1.0000000	5.0000000
mktexp	mktexp	1287	7.1238539	5.5518633	1.0000000	25.0000000
tyrp	tyrp	1287	0.4902875	0.5001000	0	1.0000000
pnp	pnp	1287	5.9587413	11.4099244	0	70.0000000
custtyp	custtyp	1287	2.0629371	0.6346048	1.0000000	3.0000000
ncust	ncust	1287	5.6954157	1.4399874	1.0000000	8.0000000
custsize	custsize	1287	2.0652681	0.5905670	1.0000000	3.0000000
penew	penew	1287	51.1959596	14.2839086	20.0000000	88.0000000
сар	сар	1287	76.6761461	15.5671729	40.0000000	110.0000000
rbvi	rbvi	1287	1.9121989	0.6128982	1.0000000	3.0000000
emprody	emprody	1287	39.6421911	27.1203034	10.0000000	140.0000000
union	union	1287	49.1445221	32.6029309	0	100.0000000

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The REG Procedure Model: MODEL1 Dependent Variable: ms ms

Number of Observations Read	1287
Number of Observations Used	1287

Analysis of Variance							
Source Sum of Mean Square F Value Pr >							
Model	12	166650	13888	70.01	<.0001		
Error	1274	252711	198.36049				
Corrected Total	1286	419362					

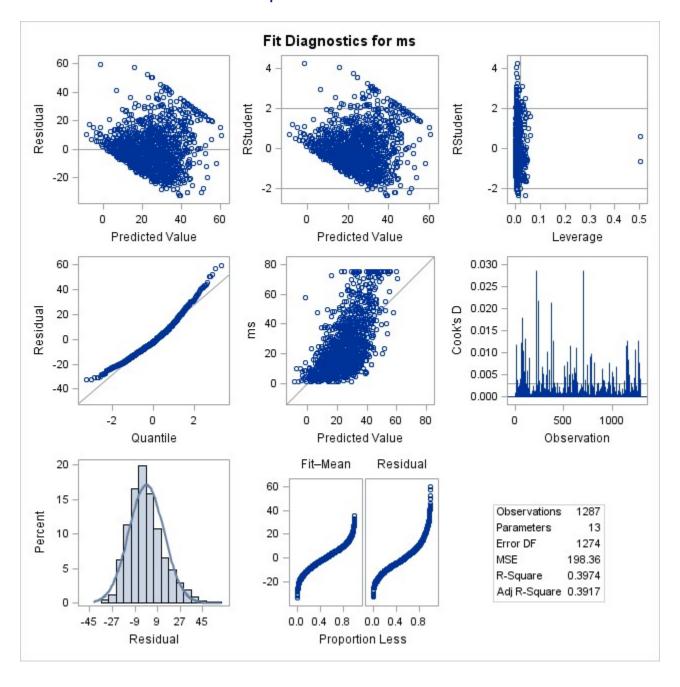
Root MSE	14.08405	R-Square	0.3974
Dependent Mean	24.86892	Adj R-Sq	0.3917
Coeff Var	56.63314		

	Parameter Estimates							
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > t		
Intercept	Intercept	1	47.42575	7.94019	5.97	<.0001		
qual	qual	1	0.16785	0.01669	10.06	<.0001		
plb	plb	1	-0.48829	0.06033	-8.09	<.0001		
price	price	1	0.33321	0.07842	4.25	<.0001		
pion	pion	1	12.60256	2.58479	4.88	<.0001		
tyrp	tyrp	1	-2.92100	2.40991	-1.21	0.2257		
ef	ef	1	4.96526	1.21261	4.09	<.0001		
phpf	phpf	1	1.61160	1.20764	1.33	0.1823		
plpf	plpf	1	1.14544	2.71817	0.42	0.6735		
psc	psc	1	-20.77004	9.99043	-2.08	0.0378		
рарс	рарс	1	-1.20403	1.55664	-0.77	0.4394		
ncomp	ncomp	1	-7.48754	0.37961	-19.72	<.0001		
mktexp	mktexp	1	-0.10667	0.07495	-1.42	0.1550		

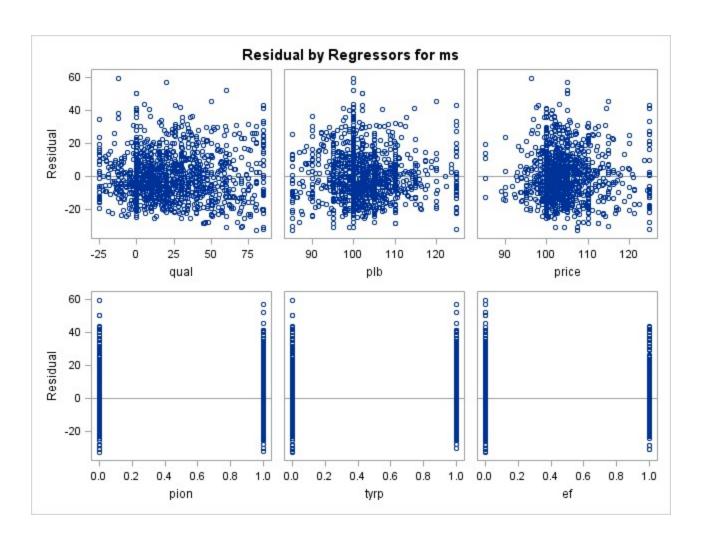
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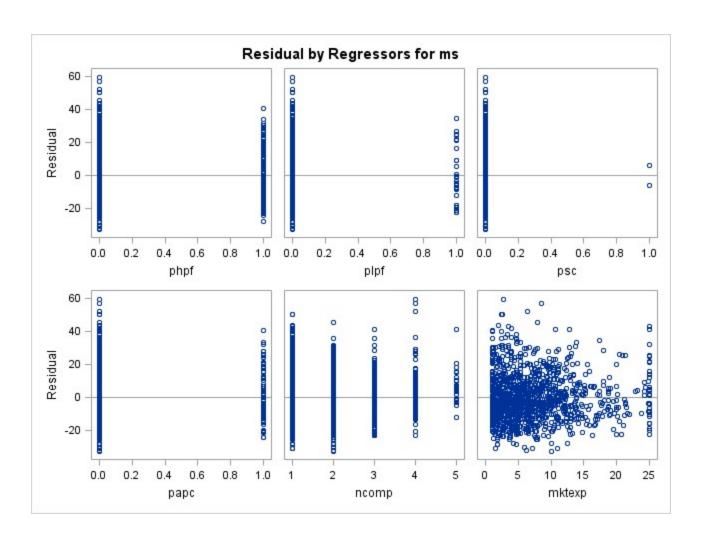
The REG Procedure Model: MODEL1 Dependent Variable: ms ms



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The SAS System

Model	ms
Dependent Variable	ms
Label	ms

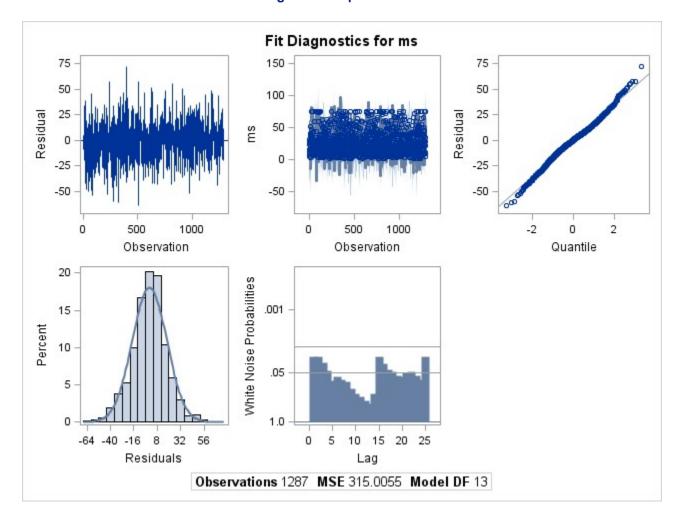
Analysis of Variance							
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F		
Model	12	158381.6	13198.47	41.90	<.0001		
Error	1274	401317.0	315.0055				
Corrected Total	1286	419361.5					

Root MSE	17.74839	R-Square	0.28298
Dependent Mean	24.86892	Adj R-Sq	0.27622
Coeff Var	71.36777		

		Parar	meter Estin	nates		
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t	Variable Label
Intercept	1	42.00303	66.23322	0.63	0.5261	Intercept
qual	1	0.510213	0.123225	4.14	<.0001	qual
plb	1	-1.01115	0.413727	-2.44	0.0147	plb
price	1	0.852267	0.683350	1.25	0.2126	price
pion	1	7.543081	3.538605	2.13	0.0332	pion
tyrp	1	-0.37812	3.225028	-0.12	0.9067	tyrp
ef	1	5.787019	1.562470	3.70	0.0002	ef
phpf	1	0.584949	1.530377	0.38	0.7024	phpf
plpf	1	0.167317	3.955604	0.04	0.9663	plpf
psc	1	-30.8958	12.92588	-2.39	0.0170	psc
рарс	1	-1.50612	2.252581	-0.67	0.5039	рарс
ncomp	1	-7.54440	0.496102	-15.21	<.0001	ncomp
mktexp	1	-0.28543	0.172875	-1.65	0.0990	mktexp

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Model	qual
Dependent Variable	qual
Label	qual

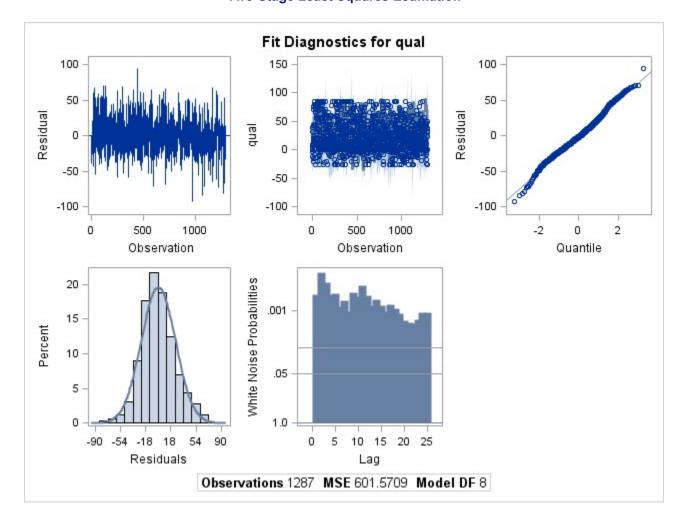
Analysis of Variance							
Source DF Sum of Squares Mean Square F Value							
Model	7	81275.02	11610.72	19.30	<.0001		
Error	1279	769409.2	601.5709				
Corrected Total	1286	889119.0					

Root MSE	24.52694	R-Square	0.09554
Dependent Mean	22.74040	Adj R-Sq	0.09059
Coeff Var	107.85623		

Parameter Estimates							
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t	Variable Label	
Intercept	1	-265.494	63.56925	-4.18	<.0001	Intercept	
price	1	2.595316	0.638913	4.06	<.0001	price	
dc	1	10.47285	1.958009	5.35	<.0001	dc	
pion	1	-0.39839	4.642522	-0.09	0.9316	pion	
ef	1	-2.23599	2.142150	-1.04	0.2968	ef	
tyrp	1	0.187802	4.337466	0.04	0.9655	tyrp	
mktexp	1	-0.48914	0.205769	-2.38	0.0176	mktexp	
pnp	1	0.211277	0.061838	3.42	0.0007	pnp	

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Model	plb
Dependent Variable	plb
Label	plb

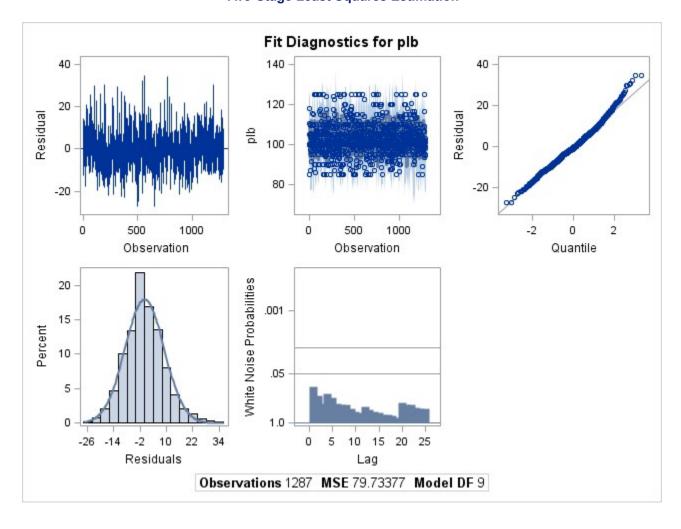
Analysis of Variance						
Source DF Sum of Squares Mean Square F Value P						
Model	8	2406.447	300.8059	3.77	0.0002	
Error	1278	101899.8	79.73377			
Corrected Total	1286	65694.67				

Root MSE	8.92938	R-Square	0.02307
Dependent Mean	102.33256	Adj R-Sq	0.01696
Coeff Var	8.72584		

	Parameter Estimates							
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t	Variable Label		
Intercept	1	109.0706	1.650573	66.08	<.0001	Intercept		
dc	1	-8.73302	2.565446	-3.40	0.0007	dc		
pion	1	1.715145	1.698292	1.01	0.3127	pion		
tyrp	1	-0.29136	1.523126	-0.19	0.8483	tyrp		
ef	1	-0.12958	0.772197	-0.17	0.8668	ef		
pnp	1	0.054686	0.021919	2.49	0.0127	pnp		
custtyp	1	3.940911	1.368804	2.88	0.0041	custtyp		
ncust	1	0.225838	0.210697	1.07	0.2840	ncust		
custsize	1	0.520397	0.638869	0.81	0.4155	custsize		

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Model	price
Dependent Variable	price
Label	price

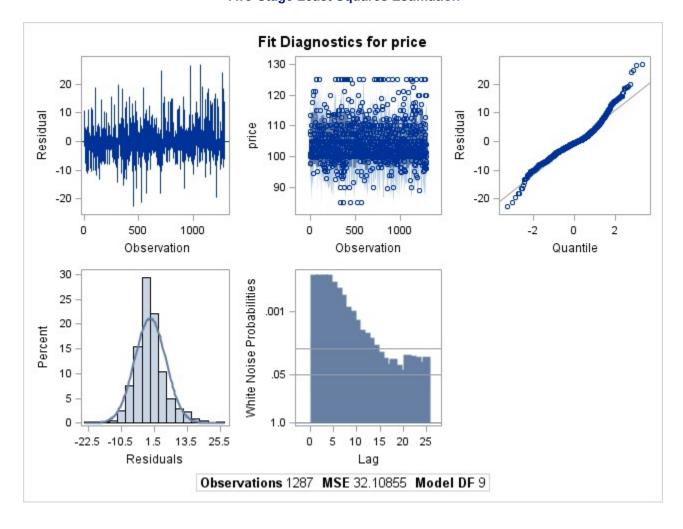
Analysis of Variance						
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F	
Model	8	4203.558	525.4447	16.36	<.0001	
Error	1278	41034.72	32.10855			
Corrected Total	1286	48105.97				

Root MSE	5.66644	R-Square	0.09292
Dependent Mean	103.80412	Adj R-Sq	0.08724
Coeff Var	5.45878		

Parameter Estimates							
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t	Variable Label	
Intercept	1	100.3140	0.916136	109.50	<.0001	Intercept	
ms	1	-0.01764	0.019380	-0.91	0.3628	ms	
qual	1	0.141663	0.035232	4.02	<.0001	qual	
dc	1	-0.45759	0.619927	-0.74	0.4606	dc	
pion	1	1.661022	1.073669	1.55	0.1221	pion	
ef	1	0.070665	0.517670	0.14	0.8914	ef	
tyrp	1	-1.42106	0.979397	-1.45	0.1470	tyrp	
mktexp	1	0.224952	0.030689	7.33	<.0001	mktexp	
pnp	1	-0.02127	0.016541	-1.29	0.1988	pnp	

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Model	dc
Dependent Variable	dc
Label	dc

Analysis of Variance						
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F	
Model	10	147.9904	14.79904	13.21	<.0001	
Error	1276	1429.556	1.120342			
Corrected Total	1286	794.3636				

Root MSE	1.05846	R-Square	0.09381
Dependent Mean	2.09091	Adj R-Sq	0.08671
Coeff Var	50.62209		

Parameter Estimates						
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t	Variable Label
Intercept	1	1.140754	0.221469	5.15	<.0001	Intercept
ms	1	0.004963	0.003573	1.39	0.1651	ms
qual	1	0.035383	0.005223	6.77	<.0001	qual
pion	1	-0.07697	0.201686	-0.38	0.7028	pion
ef	1	0.140887	0.095990	1.47	0.1424	ef
tyrp	1	0.221522	0.182612	1.21	0.2253	tyrp
penew	1	-0.00340	0.002123	-1.60	0.1098	penew
сар	1	0.000041	0.001952	0.02	0.9832	сар
rbvi	1	-0.04885	0.055304	-0.88	0.3773	rbvi
emprody	1	0.002523	0.001193	2.12	0.0346	emprody
union	1	0.001460	0.000949	1.54	0.1242	union

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