

5-Class Continuous Regression Model						
Estimation Warnings! See Iteration Detail						
Number of cases	4891					
Number of parameters (Npar)	34					
Activated Constraints	0					
Random Seed	506242					
Best Start Seed	2510825					
Log-likelihood Statistics						
Log-likelihood (LL)	-2362.1269					
Log-prior	-50.9636					
Log-posterior	-2413.0905					
BIC (based on LL)	5013.0889					
AIC (based on LL)	4792.2537					
AIC3 (based on LL)	4826.2537					
CAIC (based on LL)	5047.0889					
SABIC (based on LL)	4905.0490					
Classification Statistics						
	Classes					
Classification errors	0.2648					
Reduction of errors (Lambda)	0.6369					
Entropy R-squared	0.5693					
Standard R-squared	0.5194					
Classification log-likelihood	-5595.6164					
Entropy	3233.4895					
CLC	11191.2328					
AWE	11870.9031					
ICL-BIC	11480.0680					
Classification Table						
	Modal					
Latent	Class1	Class2	Class3	Class4	Class5	Total
Class1	892.3983	116.9082	314.2195	0.0004	0.0000	1323.5263
Class2	239.9894	876.2124	76.1839	57.8969	0.0000	1250.2826
Class3	107.8459	0.0035	1003.9947	0.0000	0.0000	1111.8441
Class4	39.4477	183.5385	22.7877	573.0267	24.8545	843.6551
Class5	6.3187	18.3374	4.8143	82.0759	250.1455	361.6919
Total	1286.0000	1195.0000	1422.0000	713.0000	275.0000	4891.0000
Classification Table						
	Proportional					
Latent	Class1	Class2	Class3	Class4	Class5	Total
Class1	770.1886	241.9682	264.3056	40.5958	6.4682	1323.5263
Class2	241.9682	755.5484	61.0608	174.0595	17.6457	1250.2826
Class3	264.3056	61.0608	765.3130	17.4458	3.7188	1111.8441
Class4	40.5958	174.0595	17.4458	528.4249	83.1291	843.6551
Class5	6.4682	17.6457	3.7188	83.1291	250.7301	361.6919
Total	1323.5263	1250.2826	1111.8441	843.6551	361.6919	4891.0000
Prediction Statistics						
net_sales						
Error Type	Baseline	Model	R²			
Squared Error	0.9998	0.0949	0.9051			
Minus Log-likelihood	1.4188	0.2413	0.8299			

Absolute Error		0.6395	0.1222	0.8089			
Files							
Infile		F:\stdatadelete333.csv					
Output		F:\data1.dat					
Options							
threads		8					
algorithm							
tolerance		1e-008					
emtolerance		0.01					
emiterations		250					
nriterations		50					
startvalues							
seed		0					
sets		16					
tolerance		1e-005					
iterations		50					
bayes							
categorical		1					
variances		1					
latent		1					
poisson		1					
quadrature							
nodes		10					
missing		excludeall					
output							
parameters		effect					
standard errors		standard					
bivariate residuals		marginal					
sample size BIC		4891					
predictionstatistics		no					
outfile							
file name		F:\data1.dat					
classification		no					
prediction		no					
simulation		no					
seed		0					
individualcoefficients		no					
id		no					
Variable Detail							
Dependent							
net_sales		Continuous					
4 Predictors							
sms_cnt		Num-Fixed	97				
-0.459730616		-0.45973062	-0.45973062				
-0.412287006		-0.41228701	-0.41228701				
-0.364843396		-0.3648434	-0.3648434				
-0.317399786		-0.31739979	-0.31739979				
-0.269956177		-0.26995618	-0.26995618				
-0.222512567		-0.22251257	-0.22251257				
-0.175068957		-0.17506896	-0.17506896				

	-0.127625347	-0.12762535	-0.12762535				
	-0.080181738	-0.080181738	-0.080181738				
	-0.032738128	-0.032738128	-0.032738128				
	...						
	3.715307043	3.715307	3.715307				
	3.762750653	3.7627507	3.7627507				
	3.810194263	3.8101943	3.8101943				
	3.857637872	3.8576379	3.8576379				
	3.905081482	3.9050815	3.9050815				
	3.952525092	3.9525251	3.9525251				
	3.999968702	3.9999687	3.9999687				
	4.047412311	4.0474123	4.0474123				
	4.094855921	4.0948559	4.0948559				
email_cnt		Num-Fixed	443				
	-0.697139955	-0.69713996	-0.69713996				
	-0.691474336	-0.69147434	-0.69147434				
	-0.685808716	-0.68580872	-0.68580872				
	-0.680143097	-0.6801431	-0.6801431				
	-0.674477477	-0.67447748	-0.67447748				
	-0.668811857	-0.66881186	-0.66881186				
	-0.663146238	-0.66314624	-0.66314624				
	-0.657480618	-0.65748062	-0.65748062				
	-0.651814998	-0.651815	-0.651815				
	-0.646149379	-0.64614938	-0.64614938				
	...						
	1.943038783	1.9430388	1.9430388				
	1.948704403	1.9487044	1.9487044				
	1.954370022	1.95437	1.95437				
	1.960035642	1.9600356	1.9600356				
	1.965701261	1.9657013	1.9657013				
	1.977032501	1.9770325	1.9770325				
	1.98269812	1.9826981	1.9826981				
	1.994029359	1.9940294	1.9940294				
	2.016691838	2.0166918	2.0166918				
allcom_cnt		Num-Fixed	536				
	-0.832783993	-0.83278399	-0.83278399				
	-0.827204539	-0.82720454	-0.82720454				
	-0.821625085	-0.82162508	-0.82162508				
	-0.816045631	-0.81604563	-0.81604563				
	-0.810466177	-0.81046618	-0.81046618				
	-0.804886723	-0.80488672	-0.80488672				
	-0.799307269	-0.79930727	-0.79930727				
	-0.793727815	-0.79372782	-0.79372782				
	-0.788148361	-0.78814836	-0.78814836				
	-0.782568907	-0.78256891	-0.78256891				
	...						
	2.375402076	2.3754021	2.3754021				
	2.38098153	2.3809815	2.3809815				
	2.386560984	2.386561	2.386561				
	2.392140438	2.3921404	2.3921404				
	2.403299346	2.4032993	2.4032993				
	2.414458254	2.4144583	2.4144583				
	2.420037709	2.4200377	2.4200377				

	2.436776071	2.4367761	2.4367761				
	2.447934979	2.447935	2.447935				
mail_cnt		Num-Fixed	63				
	-0.926183373	-0.92618337	-0.92618337				
	-0.870124333	-0.87012433	-0.87012433				
	-0.814065293	-0.81406529	-0.81406529				
	-0.758006252	-0.75800625	-0.75800625				
	-0.701947212	-0.70194721	-0.70194721				
	-0.645888171	-0.64588817	-0.64588817				
	-0.589829131	-0.58982913	-0.58982913				
	-0.53377009	-0.53377009	-0.53377009				
	-0.47771105	-0.47771105	-0.47771105				
	-0.42165201	-0.42165201	-0.42165201				
	-0.365592969	-0.36559297	-0.36559297				
	-0.309533929	-0.30953393	-0.30953393				
	-0.253474888	-0.25347489	-0.25347489				
	-0.197415848	-0.19741585	-0.19741585				
	-0.141356808	-0.14135681	-0.14135681				
	-0.085297767	-0.085297767	-0.085297767				
	-0.029238727	-0.029238727	-0.029238727				
	0.026820314	0.026820314	0.026820314				
	0.082879354	0.082879354	0.082879354				
	0.138938395	0.13893839	0.13893839				
	0.194997435	0.19499744	0.19499744				
	0.251056475	0.25105648	0.25105648				
	0.307115516	0.30711552	0.30711552				
	0.363174556	0.36317456	0.36317456				
	0.419233597	0.4192336	0.4192336				
	0.475292637	0.47529264	0.47529264				
	0.531351678	0.53135168	0.53135168				
	0.587410718	0.58741072	0.58741072				
	0.643469758	0.64346976	0.64346976				
	0.699528799	0.6995288	0.6995288				
	0.755587839	0.75558784	0.75558784				
	0.81164688	0.81164688	0.81164688				
	0.86770592	0.86770592	0.86770592				
	0.923764961	0.92376496	0.92376496				
	0.979824001	0.979824	0.979824				
	1.035883041	1.035883	1.035883				
	1.091942082	1.0919421	1.0919421				
	1.148001122	1.1480011	1.1480011				
	1.204060163	1.2040602	1.2040602				
	1.260119203	1.2601192	1.2601192				
	1.316178243	1.3161782	1.3161782				
	1.372237284	1.3722373	1.3722373				
	1.428296324	1.4282963	1.4282963				
	1.484355365	1.4843554	1.4843554				
	1.540414405	1.5404144	1.5404144				
	1.596473446	1.5964734	1.5964734				
	1.652532486	1.6525325	1.6525325				
	1.708591526	1.7085915	1.7085915				
	1.764650567	1.7646506	1.7646506				
	1.820709607	1.8207096	1.8207096				

1.876768648	1.8767686	1.8767686				
1.932827688	1.9328277	1.9328277				
1.988886729	1.9888867	1.9888867				
2.044945769	2.0449458	2.0449458				
2.101004809	2.1010048	2.1010048				
2.15706385	2.1570639	2.1570639				
2.21312289	2.2131229	2.2131229				
2.269181931	2.2691819	2.2691819				
2.325240971	2.325241	2.325241				
2.381300011	2.3813	2.3813				
2.437359052	2.4373591	2.4373591				
2.549477133	2.5494771	2.5494771				
2.661595214	2.6615952	2.6615952				

Model for Dependent									
	Class1	Class2	Class3	Class4	Class5	Overall			
R ²	0.4452	0.5668	0.1059	0.5840	0.4330	0.9051			
net_sales	Class1	Class2	Class3	Class4	Class5	Wald	p-value	Wald(=)	p-value
Intercept	-0.4292	-0.1254	-0.5971	0.4812	1.9208	20437.4268	9.1e-4433	1346.0125	3.5e-290
Predictors	Class1	Class2	Class3	Class4	Class5	Wald	p-value	Wald(=)	p-value
sms_cnt	0.0301	0.0819	-0.0252	0.1254	0.1840	89.4144	8.9e-18	74.1254	3.1e-15
email_cnt	0.0962	0.2067	-0.2603	0.2070	-0.7350	72.5375	3.0e-14	40.8243	2.9e-8
allcom_cnt	-0.0938	-0.1987	0.2655	-0.1729	0.6318	72.8953	2.6e-14	41.0530	2.6e-8
mail_cnt	0.1152	0.2526	-0.0028	0.5051	0.9077	0.0000	1.00	0.0000	1.00
Error Variances	Class1	Class2	Class3	Class4	Class5				
net_sales	0.0110	0.0425	0.0026	0.2231	1.7813				
Model for Classes									
Intercept	Class1	Class2	Class3	Class4	Class5	Wald	p-value		
	0.3957	0.3387	0.2214	-0.0546	-0.9012	150.0715	2.0e-31		

Mean	Std.Dev.
-0.0588	0.6666
Mean	Std.Dev.
0.0586	0.0624
0.0010	0.2760
0.0011	0.2514
0.2494	0.2503
Mean	Std.Dev.
0.1847	0.4579

	Class1	Class2	Class3	Class4	Class5
Class Size	0.2706	0.2556	0.2273	0.1725	0.0740
Dependent					
net_sales					
Mean	-0.4292	-0.1254	-0.5971	0.4812	1.9208

	Class1	Class2	Class3	Class4	Class5
Overall	0.2706	0.2556	0.2273	0.1725	0.0740