

Variable	Label	N	Mean	Median	Std Dev	Std Error	Coeff of Variation	Minimum	Maximum
MONTH	MONTH	108	5.0000	5.0000	2.5940	0.2496	51.8805	1.0000	9.0000
BLOCK_T	BLOCK/	108	1.0417	0.8750	0.7624	0.0734	73.1865	0.2500	3.0000
TREATMEN	TREATME	108	2.5000	2.5000	1.1232	0.1081	44.9299	1.0000	4.0000
T	NT	108	0.0640	0.0155	0.1056	0.0102	164.8891	0.0000	0.4790
TREATME	TREATME								
NT	NT								
COVER_A	COVER								
VERAGE	AVERAGE								

3 Variables: COVER_AVERAGE TREATMENT MONTH

Simple Statistics							
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum	Label
COVER_AVERAGE	108	0.06401	0.10555	6.91355	0	0.47900	COVER AVERAGE
TREATMENT	108	2.50000	1.12325	270.00000	1.00000	4.00000	TREATMENT
MONTH	108	5.00000	2.59403	540.00000	1.00000	9.00000	MONTH

Pearson Correlation Coefficients, N = 108 Prob > r under H0: Rho=0			
	COVER_AVERAGE	TREATMENT	MONTH
COVER_AVERAGE COVER AVERAGE	1.00000	-0.33909 0.0003	0.04221 0.6645
TREATMENT TREATMENT	-0.33909 0.0003	1.00000	0.00000 1.0000
MONTH MONTH	0.04221 0.6645	0.00000 1.0000	1.00000

4 Variables: MONTH BLOCK_TREATMENT TREATMENT COVER_AVERAGE

Simple Statistics							
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum	Label
MONTH	108	5.00000	2.59403	540.00000	1.00000	9.00000	MONTH
BLOCK_TREATMENT	108	1.04167	0.76236	112.50000	0.25000	3.00000	BLOCK/TREATMENT
TREATMENT	108	2.50000	1.12325	270.00000	1.00000	4.00000	TREATMENT
COVER_AVERAGE	108	0.06401	0.10555	6.91355	0	0.47900	COVER AVERAGE

Pearson Correlation Coefficients, N = 108
Prob > |r| under H0: Rho=0

	MONTH	BLOCK_TREATMENT	TREATMENT	COVER_AVERAGE
MONTH	1.00000	0.00000	0.00000	0.04221
MONTH		1.0000	1.0000	0.6645
BLOCK_TREATMENT	0.00000	1.00000	-0.71213	0.19052
BLOCK_TREATMENT	1.0000		<.0001	0.0483
TREATMENT	0.00000	-0.71213	1.00000	-0.33909
TREATMENT	1.0000	<.0001		0.0003
COVER_AVERAGE	0.04221	0.19052	-0.33909	1.00000
COVER_AVERAGE	0.6645	0.0483	0.0003	

Model Information

Data Set	WORK.IMPORT	
Distribution	Multinomial	
Link Function	Cumulative Logit	
Dependent Variable	COVER_AVERAGE	COVER AVERAGE

Number of Observations Read

108

Number of Observations Used

108

Class Level Information

Class	Levels	Values
BLOCK_TREATMENT	9	1 2 3 0.5 1.5 0.25 0.75 0.3333333333 0.6666666667
TREATMENT	4	1 2 3 4
COVER_AVERAGE	61	0.36605 0.4505 0.4375 0.2605 0.2105 0.1925 0.1825 0.1675 0.1505 0.1355 0.1275 0.0775 0.0675 0.0635 0.0625 0.0595 0.0525 0.0505 0.0455 0.0435 0.0395 0.0325 0.0275 0.0255 0.0225 0.0175 0.0155 0.0125 0.0075 0.0025 0.0005 0.479 0.263 0.234 0.225 0.175 ...
MONTH	9	1 2 3 4 5 6 7 8 9

Response Profile

Ordered Value	COVER_AVERAGE	Total Frequency
1	0.36605	1
2	0.4505	1
3	0.4375	1
4	0.2605	1
5	0.2105	1
6	0.1925	1
7	0.1825	1
8	0.1675	1
9	0.1505	1
10	0.1355	1
11	0.1275	1
12	0.0775	1
13	0.0675	1
14	0.0635	1
15	0.0625	1
16	0.0595	1
17	0.0525	1
18	0.0505	1
19	0.0455	1
20	0.0435	1
21	0.0395	1
22	0.0325	1
23	0.0275	2
24	0.0255	1
25	0.0225	1
26	0.0175	1
27	0.0155	3
28	0.0125	2
29	0.0075	3
30	0.0025	1
31	0.0005	6
32	0.479	1
33	0.263	2
34	0.234	1
35	0.225	1
36	0.175	2

37	0.165	1
38	0.141	2
39	0.103	1
40	0.088	1
41	0.075	1
42	0.065	1
43	0.053	1
44	0.033	2
45	0.028	2
46	0.025	1
47	0.018	1
48	0.016	1
49	0.015	3
50	0.013	1
51	0.008	3
52	0.006	1
53	0.005	1
54	0.003	1
55	0.002	2
56	0.001	2
57	0.03	1
58	0.02	2
59	0.01	2
60	0.4	1
61	0	24

PROC GENMOD is modeling the probabilities of levels of COVER_AVERAGE having LOWER Ordered Values in the response profile table.

Parameter	Effect	Parameter Information		
		BLOCK_TREATME NT	TREATMENT	MONTH
Prm1	BLOCK_TREATMENT	1		
Prm2	BLOCK_TREATMENT	2		
Prm3	BLOCK_TREATMENT	3		
Prm4	BLOCK_TREATMENT	0.5		
Prm5	BLOCK_TREATMENT	1.5		
Prm6	BLOCK_TREATMENT	0.25		

Prm7	BLOCK_TREATMENT	0.75		
Prm8	BLOCK_TREATMENT	0.3333333333		
Prm9	BLOCK_TREATMENT	0.6666666667		
Prm10	TREATMENT		1	
Prm11	TREATMENT		2	
Prm12	TREATMENT		3	
Prm13	TREATMENT		4	
Prm14	MONTH			1
Prm15	MONTH			2
Prm16	MONTH			3
Prm17	MONTH			4
Prm18	MONTH			5
Prm19	MONTH			6
Prm20	MONTH			7
Prm21	MONTH			8
Prm22	MONTH			9

Algorithm converged.

GEE Model Information	
Correlation Structure	Independent
Subject Effect	BLOCK_TREATMENT (9 levels)
Number of Clusters	9
Correlation Matrix Dimension	27
Maximum Cluster Size	27
Minimum Cluster Size	9

Algorithm converged.

GEE Fit Criteria	
QIC	844.7384
QICu	872.4791

Analysis Of GEE Parameter Estimates

Empirical Standard Error Estimates

Parameter		Estimate	Standard Error	95% Confidence Limits	Z	Pr > Z	
Intercept1		-6.6492	1.0839	-8.7736	-4.5247	-6.13	<.0001
Intercept2		-5.8721	1.1064	-8.0405	-3.7037	-5.31	<.0001
Intercept3		-5.4033	0.8785	-7.1251	-3.6815	-6.15	<.0001
Intercept4		-5.0831	0.8106	-6.6720	-3.4943	-6.27	<.0001
Intercept5		-4.8317	0.6452	-6.0962	-3.5672	-7.49	<.0001
Intercept6		-4.6100	0.7247	-6.0303	-3.1897	-6.36	<.0001
Intercept7		-4.4106	0.8031	-5.9846	-2.8366	-5.49	<.0001
Intercept8		-4.2362	0.7230	-5.6533	-2.8192	-5.86	<.0001
Intercept9		-4.0769	0.6767	-5.4032	-2.7506	-6.02	<.0001
Intercept10		-3.9216	0.7413	-5.3746	-2.4686	-5.29	<.0001
Intercept11		-3.7744	0.7134	-5.1726	-2.3761	-5.29	<.0001
Intercept12		-3.6400	0.6873	-4.9870	-2.2930	-5.30	<.0001
Intercept13		-3.5146	0.6776	-4.8427	-2.1865	-5.19	<.0001
Intercept14		-3.3994	0.6444	-4.6625	-2.1363	-5.28	<.0001
Intercept15		-3.2936	0.5895	-4.4489	-2.1382	-5.59	<.0001
Intercept16		-3.1935	0.5485	-4.2686	-2.1184	-5.82	<.0001
Intercept17		-3.0977	0.5107	-4.0986	-2.0969	-6.07	<.0001
Intercept18		-3.0065	0.4868	-3.9607	-2.0523	-6.18	<.0001
Intercept19		-2.9200	0.4729	-3.8468	-1.9931	-6.17	<.0001
Intercept20		-2.8361	0.4464	-3.7110	-1.9611	-6.35	<.0001
Intercept21		-2.7545	0.4429	-3.6226	-1.8864	-6.22	<.0001
Intercept22		-2.6762	0.4466	-3.5515	-1.8008	-5.99	<.0001
Intercept23		-2.5324	0.4137	-3.3432	-1.7216	-6.12	<.0001
Intercept24		-2.4653	0.4091	-3.2671	-1.6635	-6.03	<.0001
Intercept25		-2.4001	0.3868	-3.1583	-1.6419	-6.20	<.0001
Intercept26		-2.3372	0.3945	-3.1104	-1.5640	-5.92	<.0001
Intercept27		-2.1601	0.4295	-3.0019	-1.3183	-5.03	<.0001
Intercept28		-2.0503	0.4159	-2.8654	-1.2351	-4.93	<.0001
Intercept29		-1.8951	0.4136	-2.7059	-1.0844	-4.58	<.0001
Intercept30		-1.8460	0.4169	-2.6630	-1.0289	-4.43	<.0001
Intercept31		-1.5788	0.5523	-2.6613	-0.4963	-2.86	0.0043
Intercept32		-1.5367	0.5876	-2.6883	-0.3851	-2.62	0.0089
Intercept33		-1.4499	0.5678	-2.5628	-0.3370	-2.55	0.0107
Intercept34		-1.4051	0.5596	-2.5018	-0.3084	-2.51	0.0120
Intercept35		-1.3590	0.5966	-2.5283	-0.1897	-2.28	0.0227

Intercept36		-1.2637	0.5585	-2.3583	-0.1690	-2.26	0.0237
Intercept37		-1.2151	0.5557	-2.3042	-0.1260	-2.19	0.0288
Intercept38		-1.1142	0.5408	-2.1741	-0.0542	-2.06	0.0394
Intercept39		-1.0610	0.5260	-2.0920	-0.0300	-2.02	0.0437
Intercept40		-1.0065	0.5070	-2.0002	-0.0128	-1.99	0.0471
Intercept41		-0.9514	0.4850	-1.9020	-0.0008	-1.96	0.0498
Intercept42		-0.8963	0.4673	-1.8121	0.0196	-1.92	0.0551
Intercept43		-0.8409	0.4741	-1.7702	0.0884	-1.77	0.0761
Intercept44		-0.7297	0.4607	-1.6325	0.1732	-1.58	0.1132
Intercept45		-0.6149	0.5376	-1.6685	0.4388	-1.14	0.2527
Intercept46		-0.5564	0.5332	-1.6015	0.4886	-1.04	0.2967
Intercept47		-0.4981	0.5772	-1.6294	0.6331	-0.86	0.3881
Intercept48		-0.4381	0.5614	-1.5384	0.6621	-0.78	0.4351
Intercept49		-0.2521	0.5871	-1.4028	0.8985	-0.43	0.6676
Intercept50		-0.1887	0.5871	-1.3395	0.9621	-0.32	0.7479
Intercept51		0.0099	0.5701	-1.1075	1.1272	0.02	0.9862
Intercept52		0.0787	0.5560	-1.0110	1.1684	0.14	0.8874
Intercept53		0.1460	0.5387	-0.9098	1.2017	0.27	0.7864
Intercept54		0.2123	0.5386	-0.8434	1.2680	0.39	0.6935
Intercept55		0.3453	0.5319	-0.6973	1.3879	0.65	0.5162
Intercept56		0.4815	0.5329	-0.5630	1.5261	0.90	0.3663
Intercept57		0.5540	0.5830	-0.5887	1.6967	0.95	0.3420
Intercept58		0.7094	0.6274	-0.5203	1.9390	1.13	0.2582
Intercept59		0.8794	0.5955	-0.2878	2.0466	1.48	0.1398
Intercept60		0.9727	0.5920	-0.1875	2.1329	1.64	0.1003
BLOCK_TREATMENT	1	-1.7142	0.1197	-1.9488	-1.4797	-14.32	<.0001
BLOCK_TREATMENT	2	-3.7701	0.2457	-4.2517	-3.2886	-15.35	<.0001
BLOCK_TREATMENT	3	-2.6996	0.1697	-3.0322	-2.3670	-15.91	<.0001
BLOCK_TREATMENT	0.5	1.3059	0.1599	0.9924	1.6194	8.16	<.0001
BLOCK_TREATMENT	1.5	-1.9332	0.1352	-2.1981	-1.6682	-14.30	<.0001
BLOCK_TREATMENT	0.25	2.2035	0.1918	1.8275	2.5794	11.49	<.0001
BLOCK_TREATMENT	0.75	-0.7023	0.2291	-1.1514	-0.2533	-3.07	0.0022

BLOCK_TREATMENT	0.3333333333	-0.0644	0.0048	-0.0737	-0.0550	-13.53	<.0001
BLOCK_TREATMENT	0.6666666667	0.0000	0.0000	0.0000	0.0000	.	.
TREATMENT	1	4.9849	0.3399	4.3187	5.6511	14.67	<.0001
TREATMENT	2	2.6423	0.1889	2.2720	3.0125	13.99	<.0001
TREATMENT	3	2.0168	0.1809	1.6622	2.3713	11.15	<.0001
TREATMENT	4	0.0000	0.0000	0.0000	0.0000	.	.
MONTH	1	-0.0598	0.6641	-1.3615	1.2418	-0.09	0.9282
MONTH	2	0.0080	0.6363	-1.2391	1.2551	0.01	0.9899
MONTH	3	-1.1089	0.6545	-2.3918	0.1740	-1.69	0.0902
MONTH	4	-1.0192	0.6737	-2.3396	0.3012	-1.51	0.1303
MONTH	5	-4.5050	1.4474	-7.3418	-1.6683	-3.11	0.0019
MONTH	6	-1.4140	0.6670	-2.7212	-0.1068	-2.12	0.0340
MONTH	7	0.3382	0.6398	-0.9158	1.5922	0.53	0.5971
MONTH	8	-0.1790	0.6040	-1.3628	1.0049	-0.30	0.7670
MONTH	9	0.0000	0.0000	0.0000	0.0000	.	.