Model Information		
Data Set WORK.DATA		
Response Variable	Category	
Number of Response Levels 39		
Model	cumulative logit	
Optimization Technique	Fisher's scoring	

Number of Observations Read	878048
Number of Observations Used	878047

Response Profile			
Ordered Value	Category	Total Frequency	
1	0	42214	
2	1	126182	
3	2	174900	
4	3	53781	
5	4	44724	
6	5	92304	
7	6	23000	
8	7	76876	
9	8	8555	
10	9	36755	
11	10	31414	
12	11	4280	
13	12	10608	
14	13	53971	
15	14	4540	
16	15	9985	
17	16	7326	
18	17	25989	
19	18	16679	
20	19	2341	
21	20	1946	
22	21	2268	
23	22	4388	
24	23	7484	
25	24	4320	

Response Profile			
Ordered Value	Category	Total Frequency	
26	25	1513	
27	26	491	
28	27	1903	
29	28	289	
30	29	1166	
31	30	508	
32	31	1225	
33	32	148	
34	33	256	
35	34	146	
36	35	406	
37	36	6	
38	37	3138	
39	38	22	

Probabilities modeled are cumulated over the lower Ordered Values.

Note: 1 observation was deleted due to missing values for the response or explanatory variables.

Backward Elimination Procedure

Step 0. 49 effects were entered.

Model Convergence Status	
Convergence criterion (GCONV=1E-8) satisfied	i.

Score Test for the Proportional Odds Assumption				
Chi-Square DF Pr > ChiSq				
753663.651	370	<.0001		

Model Fit Statistics			
Criterion	Intercept Only	Intercept and Covariates	
AIC	4706974.0	4688469.4	
sc	4707418.1	4689030.3	
-2 Log L	4706898.0	4688373.4	

Testing Global Null Hypothesis: BETA=0			
Test	DF	Pr > ChiSq	
Likelihood Ratio	18524.6491	10	<.0001
Score	16906.6394	10	<.0001
Wald	19673.9566	10	<.0001

Note: Seconds was removed because of its redundancy.

Step 1. Effect PdDistrict is removed:

Model Convergence Status	
Convergence criterion (GCONV=1E-8) satisfied.	

Score Test for the Proportional Odds Assumption					
Chi-Square DF Pr > ChiSq					
629619.447	333	<.0001			

Model Fit Statistics			
Criterion	Intercept Only	Intercept and Covariates	
AIC	4706974.0	4688467.6	
sc	4707418.1	4689016.8	
-2 Log L	4706898.0	4688373.6	

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	18524.4472	9	<.0001
Score	16903.1251	9	<.0001
Wald	19675.5232	9	<.0001

Residual Chi-Square Test						
Chi-Square DF Pr > ChiSq						
0.2181	1	0.6405				

Step 2. Effect Y is removed:

Model Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Score Test for the Proportional Odds Assumption							
Chi-Square DF Pr > ChiSq							
616885.869	296	<.0001					

Model Fit Statistics						
Intercept and Criterion Only Covariates						
AIC	4706974.0	4688466.0				
sc	4707418.1	4689003.5				
-2 Log L	4706898.0	4688374.0				

Testing Global Null Hypothesis: BETA=0						
Test Chi-Square DF Pr > ChiSq						
Likelihood Ratio	18524.0751	8	<.0001			
Score	16902.8641	8	<.0001			
Wald	19674.8333	8	<.0001			

Residual Chi-Square Test						
Chi-Square DF Pr > ChiSq						
0.5962	2	0.7422				

Note: No (additional) effects met the 0.05 significance level for removal from the model.

Summary of Backward Elimination							
Step Removed DF Number Wald Chi-Square Pr > ChiSq							
1	PdDistrict	1	9	0.2190	0.6398		
2	Υ	1	8	0.3516	0.5532		

Analysis of Maximum Likelihood Estimates								
Parameter DF Estimate Error Chi-Square Pr > ChiS								
Intercept	0	1	69.0850	7.6249	82.0919	<.0001		
Intercept	1	1	70.6385	7.6249	85.8252	<.0001		
Intercept	2	1	71.6413	7.6249	88.2789	<.0001		
Intercept	3	1	71.8962	7.6249	88.9083	<.0001		
Intercept	4	1	72.1036	7.6249	89.4218	<.0001		
Intercept	5	1	72.5361	7.6249	90.4978	<.0001		
Intercept	6	1	72.6484	7.6249	90.7781	<.0001		

Analysis of Maximum Likelihood Estimates								
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq		
Intercept	7	1	73.0551	7.6249	91.7973	<.0001		
Intercept	8	1	73.1046	7.6249	91.9218	<.0001		
Intercept	9	1	73.3324	7.6249	92.4954	<.0001		
Intercept	10	1	73.5521	7.6249	93.0506	<.0001		
Intercept	11	1	73.5844	7.6249	93.1322	<.0001		
Intercept	12	1	73.6671	7.6249	93.3417	<.0001		
Intercept	13	1	74.1836	7.6249	94.6552	<.0001		
Intercept	14	1	74.2381	7.6249	94.7942	<.0001		
Intercept	15	1	74.3667	7.6249	95.1228	<.0001		
Intercept	16	1	74.4702	7.6249	95.3878	<.0001		
Intercept	17	1	74.9250	7.6249	96.5566	<.0001		
Intercept	18	1	75.3474	7.6249	97.6482	<.0001		
Intercept	19	1	75.4220	7.6249	97.8416	<.0001		
Intercept	20	1	75.4881	7.6249	98.0132	<.0001		
Intercept	21	1	75.5705	7.6249	98.2274	<.0001		
Intercept	22	1	75.7505	7.6249	98.6958	<.0001		
Intercept	23	1	76.1525	7.6249	99.7461	<.0001		
Intercept	24	1	76.4835	7.6249	100.6150	<.0001		
Intercept	25	1	76.6302	7.6249	101.0014	<.0001		
Intercept	26	1	76.6827	7.6249	101.1399	<.0001		
Intercept	27	1	76.9165	7.6249	101.7574	<.0001		
Intercept	28	1	76.9572	7.6249	101.8652	<.0001		
Intercept	29	1	77.1403	7.6249	102.3503	<.0001		
Intercept	30	1	77.2317	7.6249	102.5929	<.0001		
Intercept	31	1	77.4934	7.6249	103.2893	<.0001		
Intercept	32	1	77.5301	7.6249	103.3873	<.0001		
Intercept	33	1	77.5970	7.6249	103.5657	<.0001		
Intercept	34	1	77.6372	7.6250	103.6731	<.0001		
Intercept	35	1	77.7584	7.6250	103.9968	<.0001		
Intercept	36	1	77.7603	7.6250	104.0019	<.0001		
Intercept	37	1	82.7309	7.6279	117.6319	<.0001		
Day		1	0.00102	0.000212	22.9776	<.0001		
DayOfWeek		1	0.00427	0.000945	20.4003	<.0001		
Hour		1	0.0131	0.000285	2112.2936	<.0001		
Minutes		1	0.000777	0.000100	59.9855	<.0001		

Analysis of Maximum Likelihood Estimates							
Parameter DF Estimate Standard Wald Chi-Square Pr > ChiS							
Month		1	-0.00314	0.000544	33.3539	<.0001	
Resolution		1	-0.1192	0.000924	16641.8160	<.0001	
х		1	0.7219	0.0618	136.6692	<.0001	
Year		1	0.00809	0.000514	248.0335	<.0001	

Odds Ratio Estimates							
Effect	Point Estimate						
Day	1.001	1.001	1.001				
DayOfWeek	1.004	1.002	1.006				
Hour	1.013	1.013	1.014				
Minutes	1.001	1.001	1.001				
Month	0.997	0.996	0.998				
Resolution	0.888	0.886	0.889				
X	2.058	1.824	2.323				
Year	1.008	1.007	1.009				

Association of Predicted Probabilities and Observed Responses							
Percent Concordant 50.5 Somers' D 0.060							
Percent Discordant	44.5	Gamma	0.063				
Percent Tied 5.0 Tau-a 0.00							
Pairs	348055469472	С	0.530				