Logistic regression for even dataset: churn on day_minutes

The LOGISTIC Procedure

Model Information	
Data Set	WORK.CHURN_EVEN_2
Response Variable	V_churn
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	1666
Number of Observations Used	1666

Response Profile		
Ordered Value	**V_churn**	**Total Frequency**
1	1	238
2	0	1428

Probability modeled is V_churn=1.

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

Model Fit Statistics		
Criterion	**Intercept Only**	**Intercept and Covariates**
AIC	1368.508	1332.463
SC	1373.926	1343.299
-2 Log L	1366.508	1328.463

Testing Global Null Hypothesis: BETA=0			
Test	**Chi-Square**	**DF**	**Pr > ChiSq**
Likelihood Ratio	38.0448	1	<.0001
Score	37.3803	1	<.0001
Wald	36.4687	1	<.0001

Analysis of Maximum Likelihood Estimates					
Parameter	**DF**	**Estimate**	**Standard Error**	**Wald Chi-Square**	**Pr > ChiSq**
Intercept	1	-3.3066	0.2710	148.8665	<.0001
day_minutes	1	0.00807	0.00134	36.4687	<.0001

Logistic regression for even dataset: churn on day_minutes

The LOGISTIC Procedure

Odds Ratio Estimates			
Effect	**Point Estimate**	**95% Wald Confidence Limits**	
day_minutes	1.008	1.005	1.011

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	59.4	**Somers' D**	0.197
Percent Discordant	39.7	**Gamma**	0.199
Percent Tied	0.9	**Tau-a**	0.048
Pairs	339864	**c**	0.599

Logistic regression for odd dataset: churn on day_minutes

The LOGISTIC Procedure

Model Information	
Data Set	WORK.CHURN_ODD_1
Response Variable	V_churn
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	1667
Number of Observations Used	1667

Response Profile		
Ordered Value	**V_churn**	**Total Frequency**
1	1	245
2	0	1422

Probability modeled is V_churn=1.

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

Model Fit Statistics		
Criterion	**Intercept Only**	**Intercept and Covariates**
AIC	1393.672	1278.288
SC	1399.091	1289.125
-2 Log L	1391.672	1274.288

Testing Global Null Hypothesis: BETA=0			
Test	**Chi-Square**	**DF**	**Pr > ChiSq**
Likelihood Ratio	117.3843	1	<.0001
Score	113.1561	1	<.0001
Wald	104.2868	1	<.0001

Analysis of Maximum Likelihood Estimates					
Parameter	**DF**	**Estimate**	**Standard Error**	**Wald Chi-Square**	**Pr > ChiSq**
Intercept	1	-4.6103	0.3056	227.6530	<.0001
day_minutes	1	0.0147	0.00144	104.2868	<.0001

Logistic regression for odd dataset: churn on day_minutes

The LOGISTIC Procedure

Odds Ratio Estimates			
Effect	**Point Estimate**	**95% Wald Confidence Limits**	
day_minutes	1.015	1.012	1.018

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	67.8	**Somers' D**	0.361
Percent Discordant	31.7	**Gamma**	0.363
Percent Tied	0.5	**Tau-a**	0.091
Pairs	348390	**c**	0.680