

The MEANS Procedure

Variable	N	Mean	Std Dev	Minimum	Maximum
made	23	5.8695652	4.0598292	1.0000000	18.0000000
attempts	23	12.8695652	7.4851632	4.0000000	39.0000000
pct	23	0.4484978	0.2114490	0.1666667	1.0000000

Model 1

The GENMOD Procedure

Model Information	
Data Set	WORK.SHAQ
Distribution	Binomial
Link Function	Identity
Response Variable (Events)	made
Response Variable (Trials)	attempts

Number of Observations Read	23
Number of Observations Used	23
Number of Events	135
Number of Trials	296

Response Profile		
Ordered Value	Binary Outcome	Total Frequency
1	Event	135
2	Nonevent	161

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	22	40.0206	1.8191
Scaled Deviance	22	40.0206	1.8191
Pearson Chi-Square	22	35.5109	1.6141
Scaled Pearson X2	22	35.5109	1.6141
Log Likelihood		-204.0282	
Full Log Likelihood		-50.6537	
AIC (smaller is better)		103.3073	
AICC (smaller is better)		103.4978	
BIC (smaller is better)		104.4428	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates						
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Pr > ChiSq
Intercept	1	0.4561	0.0289	0.3993	0.5128	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000	

Note: The scale parameter was held fixed.

Model 2

The GENMOD Procedure

Model Information	
Data Set	WORK.SHAQ
Distribution	Binomial
Link Function	Logit
Response Variable (Events)	made
Response Variable (Trials)	attempts

Number of Observations Read	23
Number of Observations Used	23
Number of Events	135
Number of Trials	296

Response Profile		
Ordered Value	Binary Outcome	Total Frequency
1	Event	135
2	Nonevent	161

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	22	40.0206	1.8191
Scaled Deviance	22	40.0206	1.8191
Pearson Chi-Square	22	35.5109	1.6141
Scaled Pearson X2	22	35.5109	1.6141
Log Likelihood		-204.0282	
Full Log Likelihood		-50.6537	
AIC (smaller is better)		103.3073	
AICC (smaller is better)		103.4978	
BIC (smaller is better)		104.4428	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates						
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Pr > ChiSq
Intercept	1	-0.1761	0.1167	-0.4049	0.0526	0.1312
Scale	0	1.0000	0.0000	1.0000	1.0000	

Note: The scale parameter was held fixed.

Model 1 Accounting for Overdispersion

The GENMOD Procedure

Model Information	
Data Set	WORK.SHAQ
Distribution	Binomial
Link Function	Identity
Response Variable (Events)	made

Model Information	
Response Variable (Trials)	attempts

Number of Observations Read	23
Number of Observations Used	23
Number of Events	135
Number of Trials	296

Response Profile		
Ordered Value	Binary Outcome	Total Frequency
1	Event	135
2	Nonevent	161

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	22	40.0206	1.8191
Scaled Deviance	22	24.7939	1.1270
Pearson Chi-Square	22	35.5109	1.6141
Scaled Pearson X2	22	22.0000	1.0000
Log Likelihood		-126.4013	
Full Log Likelihood		-50.6537	
AIC (smaller is better)		103.3073	
AICC (smaller is better)		103.4978	
BIC (smaller is better)		104.4428	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates						
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Pr > ChiSq
Intercept	1	0.4561	0.0368	0.3840	0.5282	153.77 <.0001
Scale	0	1.2705	0.0000	1.2705	1.2705	

Note: The scale parameter was estimated by the square root of Pearson's Chi-Square/DOF.

Model 2 Accounting for Overdispersion

The GENMOD Procedure

Model Information	
Data Set	WORK.SHAQ
Distribution	Binomial
Link Function	Logit
Response Variable (Events)	made
Response Variable (Trials)	attempts

Number of Observations Read	23
Number of Observations Used	23
Number of Events	135
Number of Trials	296

Response Profile		
Ordered Value	Binary Outcome	Total Frequency
1	Event	135
2	Nonevent	161

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	22	40.0206	1.8191
Scaled Deviance	22	24.7939	1.1270
Pearson Chi-Square	22	35.5109	1.6141
Scaled Pearson X2	22	22.0000	1.0000
Log Likelihood		-126.4013	
Full Log Likelihood		-50.6537	
AIC (smaller is better)		103.3073	
AICC (smaller is better)		103.4978	
BIC (smaller is better)		104.4428	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates						
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Pr > ChiSq
Intercept	1	-0.1761	0.1483	-0.4667	0.1145	1.41
Scale	0	1.2705	0.0000	1.2705	1.2705	0.2349

Note: The scale parameter was estimated by the square root of Pearson's Chi-Square/DOF.

Model 2 Accounting for Overdispersion

Obs	made	attempts	pct	fv	stdresid
1	4	5	0.80000	0.45608	1.22570
2	5	11	0.45455	0.45608	-0.00820
3	5	14	0.35714	0.45608	-0.59937
4	5	12	0.41667	0.45608	-0.22028
5	2	7	0.28571	0.45608	-0.72090
6	7	10	0.70000	0.45608	1.24008
7	6	14	0.42857	0.45608	-0.16665
8	9	15	0.60000	0.45608	0.90406
9	4	12	0.33333	0.45608	-0.68601
10	1	4	0.25000	0.45608	-0.65579
11	13	27	0.48148	0.45608	0.21879
12	5	17	0.29412	0.45608	-1.08700
13	6	12	0.50000	0.45608	0.24545
14	9	9	1.00000	0.45608	2.61880
15	7	12	0.58333	0.45608	0.71119
16	3	10	0.30000	0.45608	-0.79352
17	8	12	0.66667	0.45608	1.17692
18	1	6	0.16667	0.45608	-1.13184
19	18	39	0.46154	0.45608	0.05780
20	3	13	0.23077	0.45608	-1.31296

Obs	made	attempts	pct	fv	stdresid
21	10	17	0.58824	0.45608	0.88694
22	1	6	0.16667	0.45608	-1.13184
23	3	12	0.25000	0.45608	-1.15175