

Summary:

	Model for Lambda			
	ALR	BB	MADSEN	MN
Beta:				
	parm	parm	parm	parm
INT	-1.883466	-1.883456	-1.883491	-1.883462
AGECENT	-0.111278	-0.111255	-0.111208	-0.111254
SMOKE	0.2613721	0.2613953	0.2613448	0.2613857
Alpha:				
INT	2.1686169	2.1610757	2.149002	2.1609727
AGEDIFF	-0.166114	-0.165982	-0.168568	-0.166303
SMOKE	-0.061647	-0.056063	-0.044839	-0.055744
	stderr	stderr	stderr	stderr
Beta:				
INT	0.1138681	0.1138682	0.1138681	0.1138682
AGECENT	0.0440135	0.0440112	0.0440094	0.0440114
SMOKE	0.1778757	0.1778764	0.1778813	0.1778768
Alpha:				
INT	0.2407912	0.2409646	0.2416436	0.2409579
AGEDIFF	0.1260742	0.1260836	0.1258104	0.1260417
SMOKE	0.3536594	0.3536354	0.3543528	0.3536501

GEE1 with Orthogonal Residuals

Number of Clusters: 537
Maximum Cluster Size: 4
Minimum Cluster Size: 4
Number of Iterations: 7
Outcome Variable: y
Model for Lambda: Lambda = 0 (ALR)

Note: Robust Standard Errors are Presented

Estimates of marginal mean parameters

var	parm	stderr	chisq	pvalue
INT	-1.883466	0.1138681	273.59706	0
AGECENT	-0.111278	0.0440135	6.3921139	0.0114628
SMOKE	0.2613721	0.1778757	2.159162	0.141722

Estimates of marginal odds ratio parameters

var	parm	stderr	chisq	pvalue
INT	2.1686169	0.2407912	81.111851	0
AGEDIFF	-0.166114	0.1260742	1.7360397	0.1876414
SMOKE	-0.061647	0.3536594	0.0303843	0.8616212

Model for Lambda: The Beta-Binomial model

Estimates of marginal mean parameters

var	parm	stderr	chisq	pvalue
INT	-1.883456	0.1138682	273.59384	0
AGECENT	-0.111255	0.0440112	6.3902151	0.0114751
SMOKE	0.2613953	0.1778764	2.1595288	0.1416881

Estimates of marginal odds ratio parameters

var	parm	stderr	chisq	pvalue
INT	2.1610757	0.2409646	80.432878	0
AGEDIFF	-0.165982	0.1260836	1.7330254	0.188025
SMOKE	-0.056063	0.3536354	0.025133	0.8740362

Model for Lambda: The Madsen model

Estimates of marginal mean parameters

var	parm	stderr	chisq	pvalue
INT	-1.883491	0.1138681	273.60457	0
AGECENT	-0.111208	0.0440094	6.3853473	0.0115066
SMOKE	0.2613448	0.1778813	2.1585757	0.1417761

Estimates of marginal odds ratio parameters

var	parm	stderr	chisq	pvalue
INT	2.149002	0.2416436	79.090273	0
AGEDIFF	-0.168568	0.1258104	1.7952192	0.1802915
SMOKE	-0.044839	0.3543528	0.0160117	0.8993066

Model for Lambda: The Morel-Nagaraj model

Estimates of marginal mean parameters

var	parm	stderr	chisq	pvalue
INT	-1.883462	0.1138682	273.59563	0
AGECENT	-0.111254	0.0440114	6.3899899	0.0114766
SMOKE	0.2613857	0.1778768	2.1593594	0.1417038

Estimates of marginal odds ratio parameters

var	parm	stderr	chisq	pvalue
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INT	2.1609727	0.2409579	80.429632	0
AGEDIFF	-0.166303	0.1260417	1.7408855	0.1870267
SMOKE	-0.055744	0.3536501	0.0248459	0.8747517