

The GENMOD Procedure

Model Information		
Data Set	WORK.A	
Distribution	Poisson	
Link Function	Log	
Dependent Variable	cases	Number of cases of CHD
Offset Variable	lpy	Log person-years

Number of Observations Read	16
Number of Observations Used	16

Class Level Information		
Class	Levels	Values
id	16	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	smoking
Prm3	personality
Prm4	bp

Algorithm converged.

GEE Model Information	
Correlation Structure	Independent
Subject Effect	id (16 levels)
Number of Clusters	16
Correlation Matrix Dimension	1
Maximum Cluster Size	1
Minimum Cluster Size	1

Algorithm converged.

GEE Fit Criteria	
QIC	-534.4110
QICu	-530.9810

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	-5.4202	0.1135	-5.6426	-5.1978	-47.77	<.0001
smoking	0.0273	0.0056	0.0164	0.0383	4.90	<.0001
personality	0.7526	0.1418	0.4746	1.0305	5.31	<.0001
bp	0.7534	0.1393	0.4804	1.0264	5.41	<.0001

The GENMOD Procedure

Model Information		
Data Set	WORK.A	
Distribution	Negative Binomial	
Link Function	Log	
Dependent Variable	cases	Number of cases of CHD
Offset Variable	lpy	Log person-years

Number of Observations Read	16
Number of Observations Used	16

Class Level Information		
Class	Levels	Values
id	16	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	smoking
Prm3	personality
Prm4	bp

Algorithm converged.

GEE Model Information	
Correlation Structure	Independent
Subject Effect	id (16 levels)
Number of Clusters	16
Correlation Matrix Dimension	1
Maximum Cluster Size	1
Minimum Cluster Size	1

Algorithm converged.

GEE Fit Criteria	
QIC	-538.7775
QICu	-535.3560

The GENMOD Procedure

Analysis Of GEE Parameter Estimates						
Empirical Standard Error Estimates						
Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	-5.4195	0.1137	-5.6423	-5.1967	-47.68	<.0001
smoking	0.0274	0.0056	0.0164	0.0383	4.89	<.0001
personality	0.7519	0.1423	0.4729	1.0308	5.28	<.0001
bp	0.7530	0.1397	0.4793	1.0268	5.39	<.0001