age-adjusted Cox, Poisson

The GENMOD Procedure

Model Information	
Data Set	WORK.NHANES4
Distribution	Poisson
Link Function	Log
Dependent Variable	DEATH
Offset Variable	log_fu_yr

Number of Observations Read	9215
Number of Observations Used	9215

Class Level Information				
Class	Value	Design Variables		
BOOZE_cat	0	1	0	0
	1	0	0	0
	2	0	1	0
	3	0	0	1

Parameter Information		
Parameter	Effect	BOOZE_cat
Prm1	Intercept	
Prm2	BOOZE_cat	0
Prm3	BOOZE_cat	2
Prm4	BOOZE_cat	3
Prm5	AGEYRS	

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	9210	7260.7515	0.7884
Scaled Deviance	9210	7260.7515	0.7884
Pearson Chi-Square	9210	19813.8079	2.1513
Scaled Pearson X2	9210	19813.8079	2.1513
Log Likelihood		-5740.3758	
Full Log Likelihood		-5740.3758	
AIC (smaller is better)		11490.7515	
AICC (smaller is better)		11490.7581	
BIC (smaller is better)		11526.3945	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates								
Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	-9.1118	0.1638	-9.4329	-8.7908	3093.56	<.0001
BOOZE_cat	0	1	-0.0106	0.0472	-0.1032	0.0819	0.05	0.8217
BOOZE_cat	2	1	0.0951	0.0852	-0.0719	0.2621	1.25	0.2645
BOOZE_cat	3	1	0.3637	0.1153	0.1378	0.5897	9.96	0.0016
AGEYRS		1	0.0853	0.0026	0.0803	0.0903	1115.40	<.0001

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Scale	0	1.0000	0.0000	1.0000	1.0000		

Note: The scale parameter was held fixed.

Contrast Estimate Results										
		Mean					L'Beta			
Label	Mean Estimate	Confidence Limits		L'Beta Estimate	Standard Error	Alpha	Confidence Limits		Chi-Square	Pr > ChiSq
RR group 0 vs 1	0.9894	0.9019	1.0854	-0.0106	0.0472	0.05	-0.1032	0.0819	0.05	0.8217
Exp(RR group 0 vs 1)				0.9894	0.0467	0.05	0.9019	1.0854		
RR group 2 vs 1	1.0998	0.9306	1.2996	0.0951	0.0852	0.05	-0.0719	0.2621	1.25	0.2645
Exp(RR group 2 vs 1)				1.0998	0.0937	0.05	0.9306	1.2996		
RR group 3 vs 1	1.4387	1.1478	1.8034	0.3637	0.1153	0.05	0.1378	0.5897	9.96	0.0016
Exp(RR group 3 vs 1)				1.4387	0.1658	0.05	1.1478	1.8034		

age, sex, race-adjusted Cox, Poisson

The GENMOD Procedure

Model Information	
Data Set	WORK.NHANES4
Distribution	Poisson
Link Function	Log
Dependent Variable	DEATH
Offset Variable	log_fu_yr

Number of Observations Read	9215
Number of Observations Used	9215

Class Level Information				
Class	Value	Design Variables		
BOOZE_cat	0	1	0	0
	1	0	0	0
	2	0	1	0
	3	0	0	1
RACE	1	0	0	
	2	1	0	
	3	0	1	
SEX	1	0		
	2	1		

Parameter Information				
Parameter	Effect	BOOZE_cat	RACE	SEX
Prm1	Intercept			
Prm2	BOOZE_cat	0		
Prm3	BOOZE_cat	2		

Parameter Information

Parameter	Effect	BOOZE_cat	RACE	SEX
Prm4	BOOZE_cat	3		
Prm5	AGEYRS			
Prm6	RACE		2	
Prm7	RACE		3	
Prm8	SEX			2

Criteria For Assessing Goodness Of Fit

Criterion	DF	Value	Value/DF
Deviance	9207	7068.5814	0.7677
Scaled Deviance	9207	7068.5814	0.7677
Pearson Chi-Square	9207	19669.6070	2.1364
Scaled Pearson X2	9207	19669.6070	2.1364
Log Likelihood		-5644.2907	
Full Log Likelihood		-5644.2907	
AIC (smaller is better)		11304.5814	
AICC (smaller is better)		11304.5971	
BIC (smaller is better)		11361.6101	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates

Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	-8.8580	0.1652	-9.1819	-8.5341	2873.42	<.0001
BOOZE_cat	0	1	0.0892	0.0478	-0.0046	0.1829	3.47	0.0624
BOOZE_cat	2	1	-0.0079	0.0855	-0.1755	0.1597	0.01	0.9261
BOOZE_cat	3	1	0.1635	0.1160	-0.0637	0.3908	1.99	0.1584
AGEYRS		1	0.0856	0.0026	0.0806	0.0906	1113.87	<.0001
RACE	2	1	0.0211	0.0703	-0.1166	0.1589	0.09	0.7638
RACE	3	1	-0.3342	0.2015	-0.7291	0.0607	2.75	0.0971
SEX	2	1	-0.6233	0.0456	-0.7126	-0.5340	187.12	<.0001
Scale		0	1.0000	0.0000	1.0000	1.0000		

Note: The scale parameter was held fixed.

Contrast Estimate Results

Label	Mean Estimate	Mean Confidence Limits		L'Beta Estimate	Standard Error	Alpha	L'Beta Confidence Limits		Chi-Square	Pr > ChiSq
RR group 0 vs 1	1.0932	0.9954	1.2007	0.0892	0.0478	0.05	-0.0046	0.1829	3.47	0.0624
Exp(RR group 0 vs 1)				1.0932	0.0523	0.05	0.9954	1.2007		
RR group 2 vs 1	0.9921	0.8390	1.1731	-0.0079	0.0855	0.05	-0.1755	0.1597	0.01	0.9261
Exp(RR group 2 vs 1)				0.9921	0.0848	0.05	0.8390	1.1731		
RR group 3 vs 1	1.1777	0.9383	1.4782	0.1635	0.1160	0.05	-0.0637	0.3908	1.99	0.1584
Exp(RR group 3 vs 1)				1.1777	0.1366	0.05	0.9383	1.4782		

MV-adjusted Cox, Poisson

The GENMOD Procedure

Model Information	
Data Set	WORK.NHANES4
Distribution	Poisson
Link Function	Log
Dependent Variable	DEATH
Offset Variable	log_fu_yr

Number of Observations Read	9215
Number of Observations Used	9215

Class Level Information				
Class	Value	Design Variables		
BOOZE_cat	0	1	0	0
	1	0	0	0
	2	0	1	0
	3	0	0	1
RACE	1	0	0	
	2	1	0	
	3	0	1	
SEX	1	0		
	2	1		
ASPIRIN	0	0		
	1	1		
DIAB	0	0		
	1	1		
RECEX	1	1	0	
	2	0	0	
	3	0	1	

Parameter Information							
Parameter	Effect	BOOZE_cat	RACE	SEX	ASPIRIN	DIAB	RECEX
Prm1	Intercept						
Prm2	BOOZE_cat	0					
Prm3	BOOZE_cat	2					
Prm4	BOOZE_cat	3					
Prm5	AGEYRS						
Prm6	RACE		2				
Prm7	RACE		3				
Prm8	SEX			2			
Prm9	ASPIRIN				1		
Prm10	DIAB					1	
Prm11	AVGSMK						
Prm12	BMI						
Prm13	RECEX						1
Prm14	RECEX						3
Prm15	HTN_REP						

Criteria For Assessing Goodness Of Fit			
Criterion	**DF**	**Value**	**Value/DF**
Deviance	9200	6747.4705	0.7334
Scaled Deviance	9200	6747.4705	0.7334
Pearson Chi-Square	9200	19447.4335	2.1139
Scaled Pearson X2	9200	19447.4335	2.1139
Log Likelihood		-5483.7352	
Full Log Likelihood		-5483.7352	
AIC (smaller is better)		10997.4705	
AICC (smaller is better)		10997.5227	
BIC (smaller is better)		11104.3993	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates								
Parameter		**DF**	**Estimate**	**Standard Error**	**Wald 95% Confidence Limits**		**Wald Chi-Square**	**Pr > ChiSq**
Intercept		1	-8.9157	0.2202	-9.3474	-8.4841	1638.95	<.0001
BOOZE_cat	0	1	0.0622	0.0485	-0.0329	0.1573	1.64	0.1997
BOOZE_cat	2	1	-0.0112	0.0856	-0.1790	0.1566	0.02	0.8960
BOOZE_cat	3	1	0.1607	0.1160	-0.0666	0.3880	1.92	0.1658
AGEYRS		1	0.0881	0.0027	0.0828	0.0934	1078.58	<.0001
RACE	2	1	-0.0575	0.0710	-0.1966	0.0815	0.66	0.4174
RACE	3	1	-0.3416	0.2022	-0.7379	0.0547	2.85	0.0912
SEX	2	1	-0.6323	0.0467	-0.7238	-0.5408	183.46	<.0001
ASPIRIN	1	1	0.0870	0.0469	-0.0049	0.1789	3.45	0.0634
DIAB	1	1	0.5351	0.0689	0.4001	0.6701	60.32	<.0001
AVGSMK		1	0.0193	0.0015	0.0164	0.0223	161.12	<.0001
BMI		1	-0.0201	0.0049	-0.0297	-0.0105	16.88	<.0001
RECEX	1	1	-0.0112	0.0703	-0.1491	0.1267	0.03	0.8736
RECEX	3	1	0.2363	0.0478	0.1425	0.3300	24.38	<.0001
HTN_REP		1	0.3426	0.0459	0.2526	0.4326	55.68	<.0001
Scale		0	1.0000	0.0000	1.0000	1.0000		

Note: The scale parameter was held fixed.

Contrast Estimate Results										
		Mean					**L'Beta**			
Label	**Mean Estimate**	**Confidence Limits**		**L'Beta Estimate**	**Standard Error**	**Alpha**	**Confidence Limits**		**Chi-Square**	**Pr > ChiSq**
RR group 0 vs 1	1.0642	0.9677	1.1703	0.0622	0.0485	0.05	-0.0329	0.1573	1.64	0.1997
Exp(RR group 0 vs 1)				1.0642	0.0516	0.05	0.9677	1.1703		
RR group 2 vs 1	0.9889	0.8361	1.1695	-0.0112	0.0856	0.05	-0.1790	0.1566	0.02	0.8960
Exp(RR group 2 vs 1)				0.9889	0.0846	0.05	0.8361	1.1695		
RR group 3 vs 1	1.1743	0.9356	1.4740	0.1607	0.1160	0.05	-0.0666	0.3880	1.92	0.1658
Exp(RR group 3 vs 1)				1.1743	0.1362	0.05	0.9356	1.4740		