kvsr pande

The QLIM Procedure

Discrete Response Profile of Y		
Index	Value	Total Frequency
1	0	682
2	1	266

Model Fit Summary	
Number of Endogenous Variables	1
Endogenous Variable	Y
Number of Observations	948
Log Likelihood	-322.74675
Maximum Absolute Gradient	3.38183E-7
Number of Iterations	15
Optimization Method	Quasi-Newton
AIC	663.49349
Schwarz Criterion	707.18268

Goodness-of-Fit Measures		
Measure	Value	Formula
Likelihood Ratio (R)	479.8	2 * (LogL - LogL0)
Upper Bound of R (U)	1125.3	- 2 * LogL0
Aldrich-Nelson	0.336	R / (R+N)
Cragg-Uhler 1	0.3972	1 - exp(-R/N)
Cragg-Uhler 2	0.5716	(1-exp(-R/N)) / (1-exp(-U/N))
Estrella	0.483	1 - (1-R/U)^(U/N)
Adjusted Estrella	0.4659	1 - ((LogL-K)/LogL0)^(-2/N*LogL0)
McFadden's LRI	0.4264	R / U
Veall-Zimmermann	0.6191	(R * (U+N)) / (U * (R+N))
McKelvey-Zavoina	0.5672	
N = # of observations, K = # of regressors		

Algorithm converged.

Parameter Estimates					

Parameter	DF	Estimate	Standard Error	t Value	Approx Pr > |t|
Intercept	1	-2.121421	0.126182	-16.81	<.0001
Age_40T49	1	0.882048	0.155316	5.68	<.0001
Age_50T59	1	0.861250	0.156338	5.51	<.0001
Age_MT60	1	1.738636	0.166628	10.43	<.0001
junkfood_dum	1	0.390475	0.191804	2.04	0.0418
Alcohol_dum	1	0.239628	0.139946	1.71	0.0868
RegularMedicine_dum	1	1.266737	0.119452	10.60	<.0001
stress_dum	1	0.290078	0.125116	2.32	0.0204
Preg_dum	1	0.391861	0.140205	2.79	0.0052

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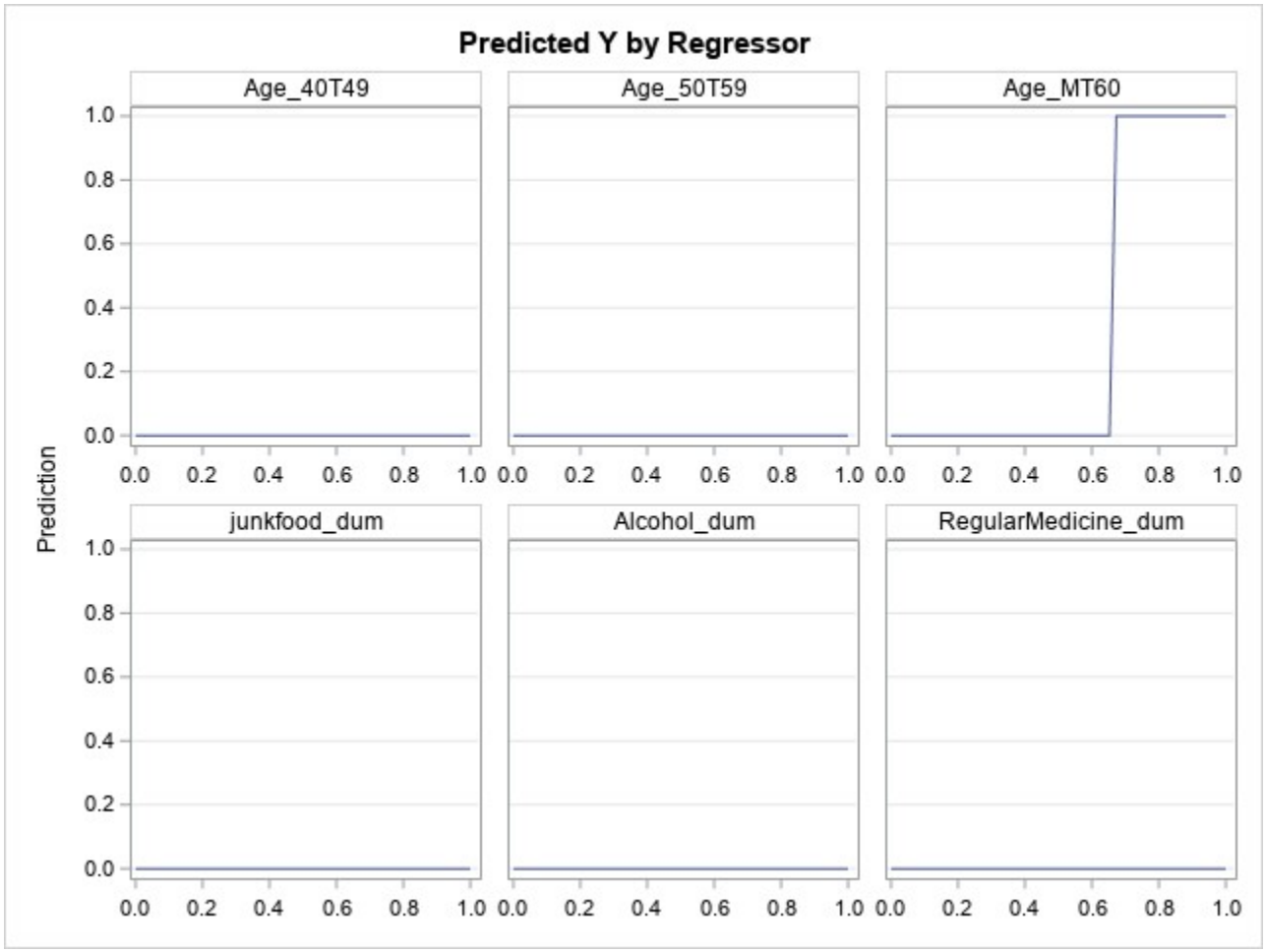

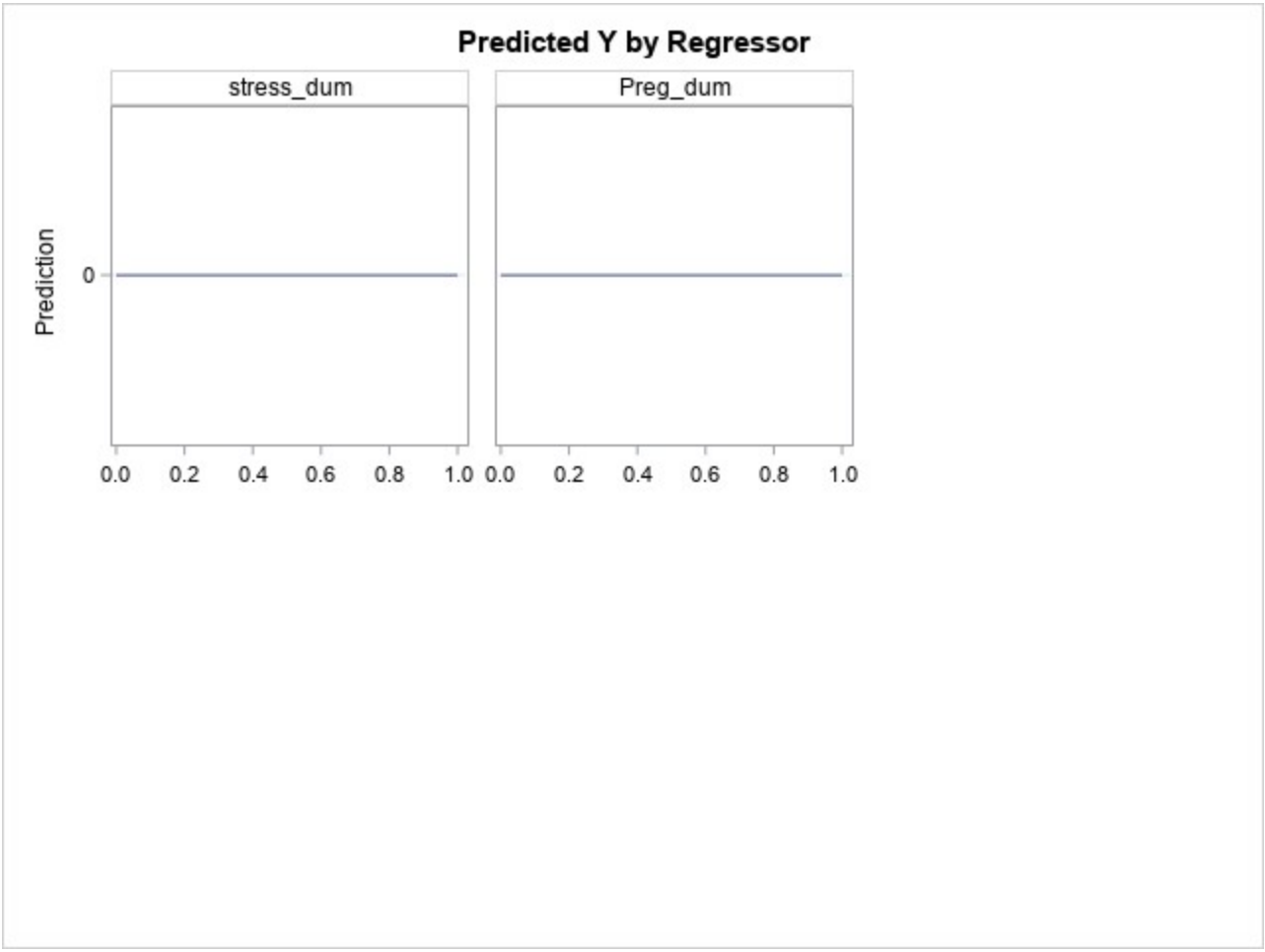
Predicted Y by Regressor
stress_dum
Preg_dum
Prediction
0
0.0
0.2
0.4
0.6
0.8
1.0
0.0
0.2
0.4
0.6
0.8
1.0

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The LOGISTIC Procedure

Model Information	
Data Set	WORK.CALCULATIONS
Response Variable	Y
Number of Response Levels	2
Model	binary probit
Optimization Technique	Fisher's scoring

Number of Observations Read	948
Number of Observations Used	948

Response Profile		
Ordered Value	Y	Total Frequency
1	1	266
2	0	682

Probability modeled is Y='1'.

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

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	1127.296	663.493
SC	1132.150	707.183
-2 Log L	1125.296	645.493

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	479.8022	8	<.0001
Score	441.2911	8	<.0001
Wald	321.5075	8	<.0001

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-2.1214	0.1266	280.7921	<.0001
Age_40T49	1	0.8820	0.1545	32.5793	<.0001
Age_50T59	1	0.8612	0.1546	31.0356	<.0001
Age_MT60	1	1.7386	0.1693	105.4715	<.0001
Alcohol_dum	1	0.2396	0.1448	2.7370	0.0981
junkfood_dum	1	0.3906	0.1858	4.4202	0.0355
RegularMedicine_dum	1	1.2667	0.1184	114.5182	<.0001
stress_dum	1	0.2901	0.1241	5.4689	0.0194
Preg_dum	1	0.3918	0.1401	7.8197	0.0052

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	89.8	Somers' D	0.811
Percent Discordant	8.7	Gamma	0.822
Percent Tied	1.4	Tau-a	0.328
Pairs	181412	c	0.905

Partition for the Hosmer and Lemeshow Test					
		Y = 1		Y = 0	
Group	Total	Observed	Expected	Observed	Expected
1	230	4	3.90	226	226.10
2	107	4	3.65	103	103.35
3	88	7	6.13	81	81.87
4	96	11	11.19	85	84.81
5	92	11	19.67	81	72.33
6	92	45	39.00	47	53.00
7	100	63	59.66	37	40.34
8	91	74	74.03	17	16.97
9	52	47	47.76	5	4.24

Hosmer and Lemeshow Goodness-of-Fit Test		
Chi-Square	DF	Pr > ChiSq
7.2453	7	0.4038

Classification Table									
	Correct		Incorrect		Percentages				
Prob Level	Event	Non-Event	Event	Non-Event	Correct	Sensi-tivity	Speci-ficity	False POS	False NEG
0.500	184	608	74	82	83.5	69.2	89.1	28.7	11.9