

Question 1

Case Processing Summary

		N	Marginal Percentage
Birth weight categories	BWT>3500	46	24.3%
	3000<BWT=<3500	46	24.3%
	2500<BWT=<3000	38	20.1%
	BWT=<2500	59	31.2%
Race	white	96	50.8%
	black	26	13.8%
	other	67	35.4%
smoking status during pregnancy	no	115	60.8%
	yes	74	39.2%
history of premature labor	none	159	84.1%
	one	24	12.7%
	2	5	2.6%
	3	1	0.5%
presence of uterine irritability	no	161	85.2%
	yes	28	14.8%
number of physician visits during the first trimester	none	100	52.9%
	one	47	24.9%
	two	30	15.9%
	three	7	3.7%
	4	4	2.1%
	6	1	0.5%
Valid		189	100.0%
Missing		0	
Total		189	
Subpopulation		183 ^a	

a. The dependent variable has only one value observed in 182 (99.5%) subpopulations.

Model Fitting Information

Intercept Only	517.918			
Final	425.363	92.556	42	.000

Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	490.398	504	.660
Deviance	423.976	504	.996

Pseudo R-Square

Cox and Snell	.387
Nagelkerke	.414
McFadden	.178

Likelihood Ratio Tests

Effect	Model Fitting Criteria	Likelihood Ratio Tests		
	-2 Log Likelihood of Reduced Model	Chi-Square	df	Sig.
Intercept	425.363 ^a	.000	0	.
AGE	427.380	2.017	3	.569
LWT	432.922	7.559	3	.056
RACE	442.537	17.174	6	.009
SMOKE	433.120	7.757	3	.051
PTL	451.241	25.878	9	.002
UI	431.140	5.777	3	.123
FTV	442.597	17.234	15	.305

Parameter Estimates

Birth weight categories ^a		B	Std. Error	Wald	df	Sig.	Exp(B)	95% Confidence Interval for Exp(B)	
								Lower Bound	Upper Bound
BWT>3500	Intercept	13.428	13255.258	.000	1	.999			
	AGE	.010	.050	.043	1	.836	1.010	.917	1.114
	LWT	.019	.009	4.277	1	.039	1.019	1.001	1.038
	[RACE=1]	1.394	.618	5.093	1	.024	4.031	1.201	13.526
	[RACE=2]	-1.437	.993	2.092	1	.148	.238	.034	1.665
	[RACE=3]	0 ^b	.	.	0	.	.	.	.
	[SMOKE=0]	1.533	.588	6.784	1	.009	4.631	1.461	14.672
	[SMOKE=1]	0 ^b	.	.	0	.	.	.	.
	[PTL=0]	-20.627	5891.353	.000	1	.997	1.101E-009	.000	.
	[PTL=1]	-22.660	5891.353	.000	1	.997	1.442E-010	.000	.
	[PTL=2]	-36.008	6220.243	.000	1	.995	2.301E-016	.000	.
	[PTL=3]	0 ^b	.	.	0	.	.	.	.
	[UI=0]	1.927	1.101	3.060	1	.080	6.867	.793	59.474
	[UI=1]	0 ^b	.	.	0	.	.	.	.
	[FTV=0]	1.061	11874.079	.000	1	1.000	2.888	.000	.
	[FTV=1]	1.826	11874.079	.000	1	1.000	6.212	.000	.
	[FTV=2]	1.141	11874.079	.000	1	1.000	3.130	.000	.
	[FTV=3]	-14.823	11989.840	.000	1	.999	3.652E-007	.000	.
	[FTV=4]	2.243	11874.079	.000	1	1.000	9.424	.000	.
	[FTV=6]	0 ^b	.	.	0	.	.	.	.
3000<BWT=<3500	Intercept	13.934	7859.304	.000	1	.999			
	AGE	.023	.047	.234	1	.629	1.023	.933	1.122
	LWT	.014	.008	2.835	1	.092	1.014	.998	1.031
	[RACE=1]	.144	.565	.065	1	.798	1.155	.382	3.497
	[RACE=2]	-.811	.730	1.234	1	.267	.444	.106	1.858
	[RACE=3]	0 ^b	.	.	0	.	.	.	.
	[SMOKE=0]	.515	.524	.965	1	.326	1.673	.599	4.673
	[SMOKE=1]	0 ^b	.	.	0	.	.	.	.
	[PTL=0]	-.976	1.020	.916	1	.338	.377	.051	2.781
	[PTL=1]	-2.798	1.204	5.403	1	.020	.061	.006	.645
	[PTL=2]	-.174	.000	.	1	.	.840	.840	.840
	[PTL=3]	0 ^b	.	.	0	.	.	.	.
	[UI=0]	.782	.621	1.587	1	.208	2.187	.647	7.386
	[UI=1]	0 ^b	.	.	0	.	.	.	.
	[FTV=0]	-16.250	7859.304	.000	1	.998	8.760E-008	.000	.
	[FTV=1]	-16.194	7859.304	.000	1	.998	9.266E-008	.000	.
	[FTV=2]	-15.873	7859.304	.000	1	.998	1.278E-007	.000	.
	[FTV=3]	-32.532	8045.805	.000	1	.997	7.438E-015	.000	.
	[FTV=4]	-14.480	7859.304	.000	1	.999	5.148E-007	.000	.
	[FTV=6]	0 ^b	.	.	0	.	.	.	.
2500<BWT=<3000	Intercept	-2.018	16978.928	.000	1	1.000			
	AGE	.060	.046	1.723	1	.189	1.062	.971	1.162
	LWT	-.002	.009	.038	1	.846	.998	.980	1.016
	[RACE=1]	.700	.592	1.397	1	.237	2.013	.631	6.424
	[RACE=2]	.423	.686	.380	1	.538	1.526	.398	5.851
	[RACE=3]	0 ^b	.	.	0	.	.	.	.
	[SMOKE=0]	.360	.527	.467	1	.495	1.433	.510	4.025
	[SMOKE=1]	0 ^b	.	.	0	.	.	.	.
	[PTL=0]	.293	11428.550	.000	1	1.000	1.340	.000	.
	[PTL=1]	-1.478	11428.550	.000	1	1.000	.228	.000	.
	[PTL=2]	-15.972	11674.701	.000	1	.999	1.157E-007	.000	.
	[PTL=3]	0 ^b	.	.	0	.	.	.	.
	[UI=0]	.038	.572	.005	1	.946	1.039	.339	3.189
	[UI=1]	0 ^b	.	.	0	.	.	.	.
	[FTV=0]	-.463	12556.759	.000	1	1.000	.630	.000	.
	[FTV=1]	.450	12556.759	.000	1	1.000	1.568	.000	.
	[FTV=2]	-.021	12556.759	.000	1	1.000	.979	.000	.
	[FTV=3]	-.443	12556.759	.000	1	1.000	.642	.000	.
	[FTV=4]	-14.615	12783.341	.000	1	.999	4.495E-007	.000	.
	[FTV=6]	0 ^b	.	.	0	.	.	.	.

a. The reference category is: BWT=<2500.

b. This parameter is set to zero because it is redundant.

c. Floating point overflow occurred while computing this statistic. Its value is therefore set to system missing.