Table 1: Output for Part One

The REG Procedure

Model: MODEL1
Dependent Variable: LENGTH

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	619.25362	309.62681	46.672	0.0001
Error	97	643.50638	6.63409		
Corrected Total	99	1262.76000			

Root MSE	2.57567	R-Square	0.4904
Dependent Mean	36.82000	Adj R-Sq	0.4799
Coeff Var	6.99531		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	6.284326	3.19182416	1.969	0.0518
GEST_AGE	1	1.069883	0.11210390	9.544	0.0001
TOXEMIA	1	-1.777381	0.69399183	-2.561	0.0120

Table 2: Output for Part Two

The LOGISTIC Procedure

Model Information

Data Set	WORK.Biostat6263
Response Variable	AOR_STEN
Number of Response Levels	2
Number of Observations	110
Model	binary logit
Optimization Technique	Fisher's scoring

Response Profile

Ordered Value	AOR_STEN	Total Frequency
1	YES	59
2	NO	51

Probability modeled is AOR_STEN='YES'.

Model Convergence Status

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

Model Fit Statistics

Criterion	Intercept Only	Intercept and Covariates
AIC	153.910	136.683
SC	156.611	147.485
-2 Log L	151.910	128.683

The LOGISTIC Procedure

Testing Global Null Hypothesis: BETA=0

Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	23.2271	3	<.0001
Score	21.6342	3	<.0001
Wald	18.5871	3	0.0003

Analysis of Maximum Likelihood Estimates

Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	2.2138	1.2662	3.0569	0.0804
AGE	1	-0.0773	0.0366	4.4677	0.0345
SMOKE	1	-0.6693	0.4550	2.1634	0.1413
CHOLSTRL	1	2.5531	0.6068	17.7015	<.0001

Odds Ratio Estimates

Effect	Point Estimate	95% Wald Confidence Limits	
AGE	0.926	0.862	0.994
SMOKE	0.512	0.210	1.249
CHOLSTRL	12.847	3.911	42.201

Association of Predicted Probabilities and Observed Responses

Percent Concordant	75.8	Somers' D	0.525
Percent Discordant	23.3	Gamma	0.530
Percent Tied	0.9	Tau-a	0.264
Pairs	3009	c	0.763