The MEANS Procedure

Variable	N	Mean	Std Dev	Minimum	Maximum
write	18	53.2222222	7.7273811	33.0000000	65.0000000
math	18	51.6666667	7.1373088	41.0000000	71.0000000
female	18	0.2777778	0.4608886	0	1.0000000
socst	18	55.3888889	9.6536423	31.0000000	71.0000000

The REG Procedure
Model: MODEL1
Dependent Variable: read

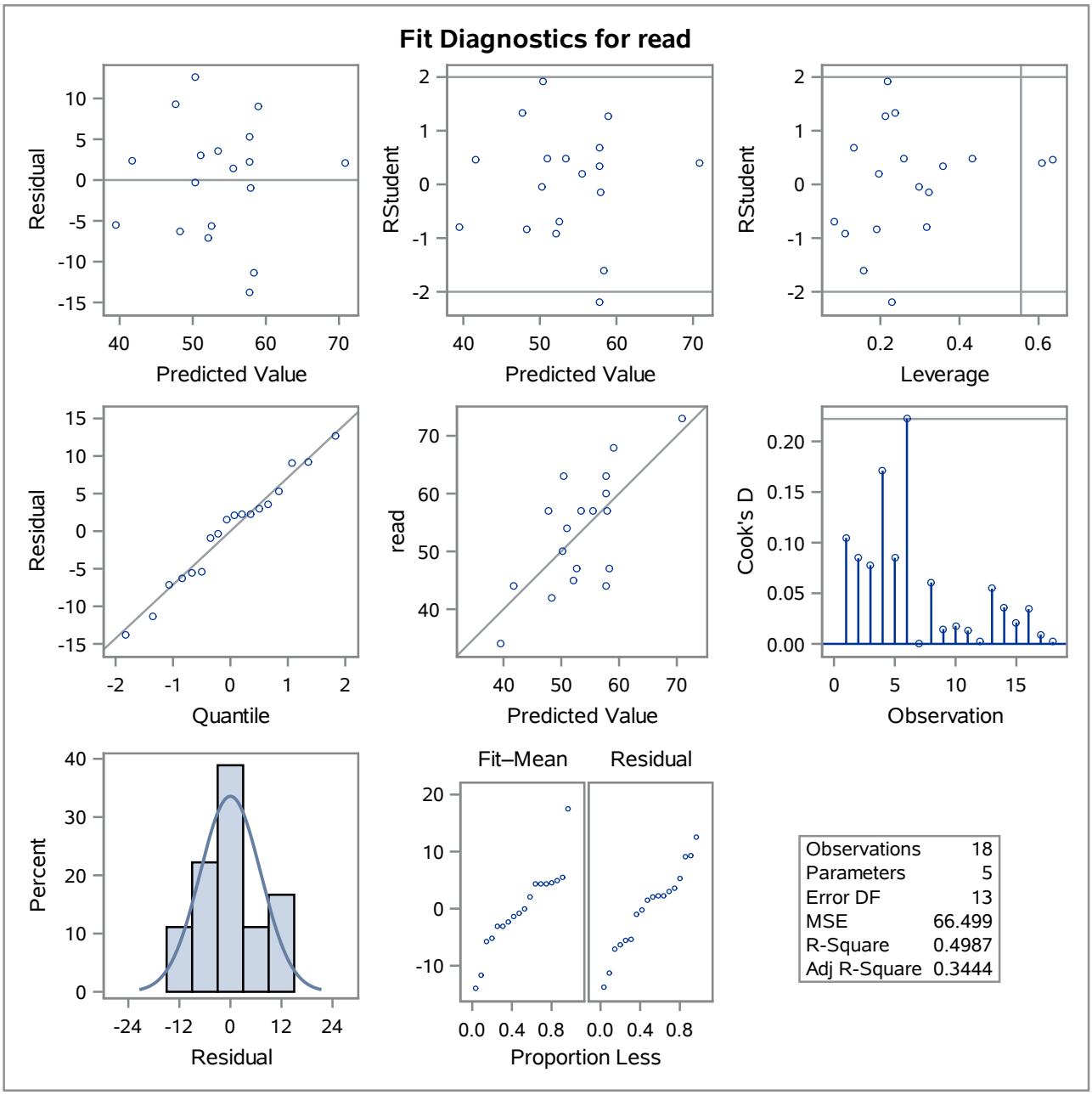
Number of Observations Read	18
Number of Observations Used	18

Analysis of Variance					
Source	**DF**	**Sum of Squares**	**Mean Square**	**F Value**	**Pr > F**
Model	4	859.95967	214.98992	3.23	0.0477
Error	13	864.48477	66.49883		
Corrected Total	17	1724.44444			

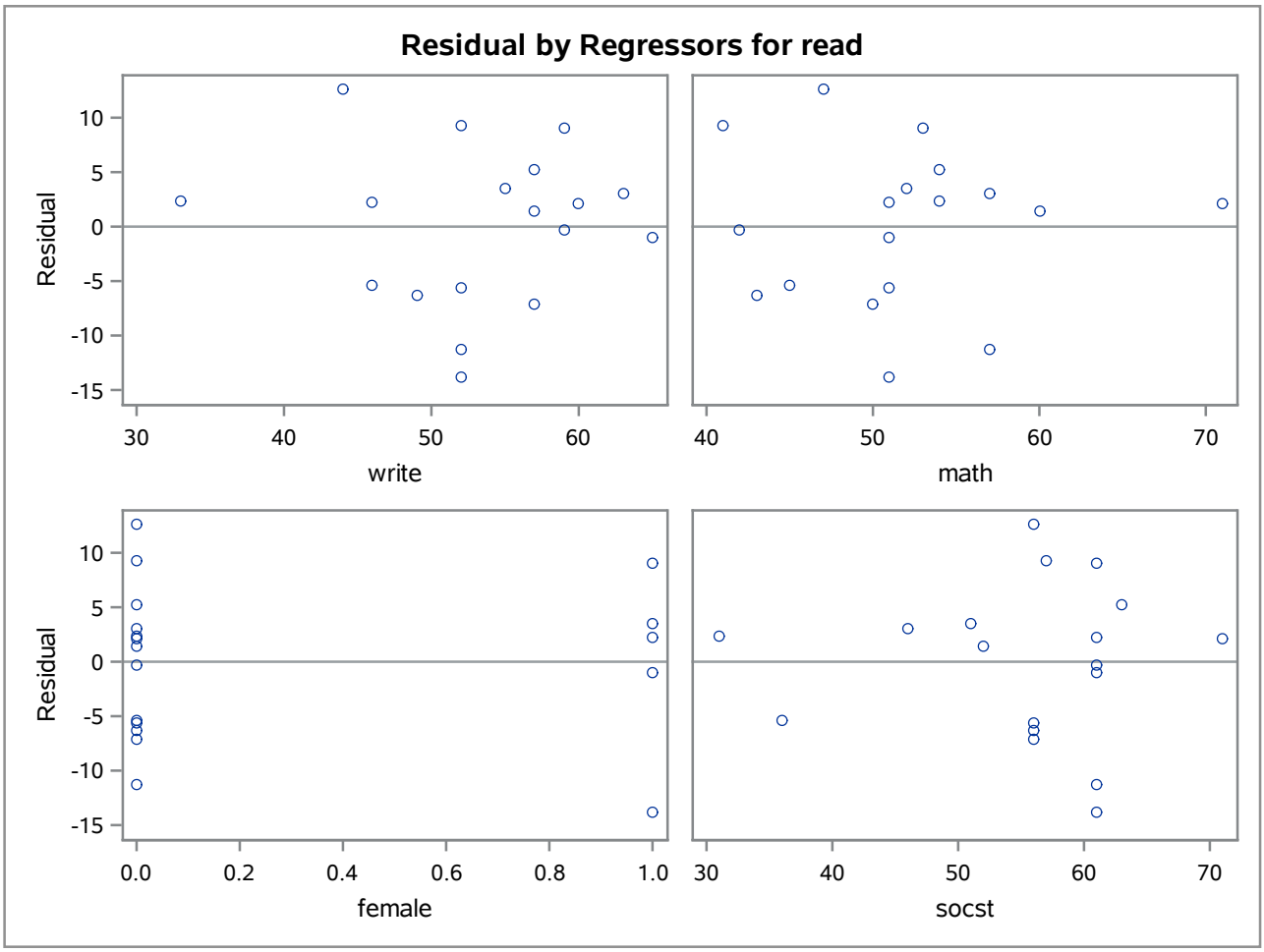
Root MSE	8.15468	**R-Square**	0.4987
Dependent Mean	53.44444	**Adj R-Sq**	0.3444
Coeff Var	15.25824		

Parameter Estimates					
Variable	**DF**	**Parameter Estimate**	**Standard Error**	**t Value**	**Pr > |t|**
Intercept	1	-3.02146	18.01160	-0.17	0.8694
write	1	0.01062	0.31773	0.03	0.9738
math	1	0.53791	0.28973	1.86	0.0862
female	1	2.74916	4.43752	0.62	0.5463
socst	1	0.49369	0.25416	1.94	0.0741

The REG Procedure
Model: MODEL1
Dependent Variable: read



The REG Procedure
Model: MODEL1
Dependent Variable: read



The MEANS Procedure

Variable	N	Mean	Std Dev	Minimum	Maximum
write	18	53.2222222	7.7273811	33.0000000	65.0000000
math	18	51.6666667	7.1373088	41.0000000	71.0000000
female	18	0.2777778	0.4608886	0	1.0000000
socst	18	55.3888889	9.6536423	31.0000000	71.0000000

The REG Procedure
Model: MODEL1
Dependent Variable: read

Number of Observations Read	18
Number of Observations Used	18

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Source	**DF**	**Sum of Squares**	**Mean Square**	**F Value**	**Pr > F**
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Error	13	864.48477	66.49883		
Corrected Total	17	1724.44444			

Root MSE	8.15468	**R-Square**	0.4987
Dependent Mean	53.44444	**Adj R-Sq**	0.3444
Coeff Var	15.25824		

Parameter Estimates					
Variable	**DF**	**Parameter Estimate**	**Standard Error**	**t Value**	**Pr > |t|**
Intercept	1	-3.02146	18.01160	-0.17	0.8694
write	1	0.01062	0.31773	0.03	0.9738
math	1	0.53791	0.28973	1.86	0.0862
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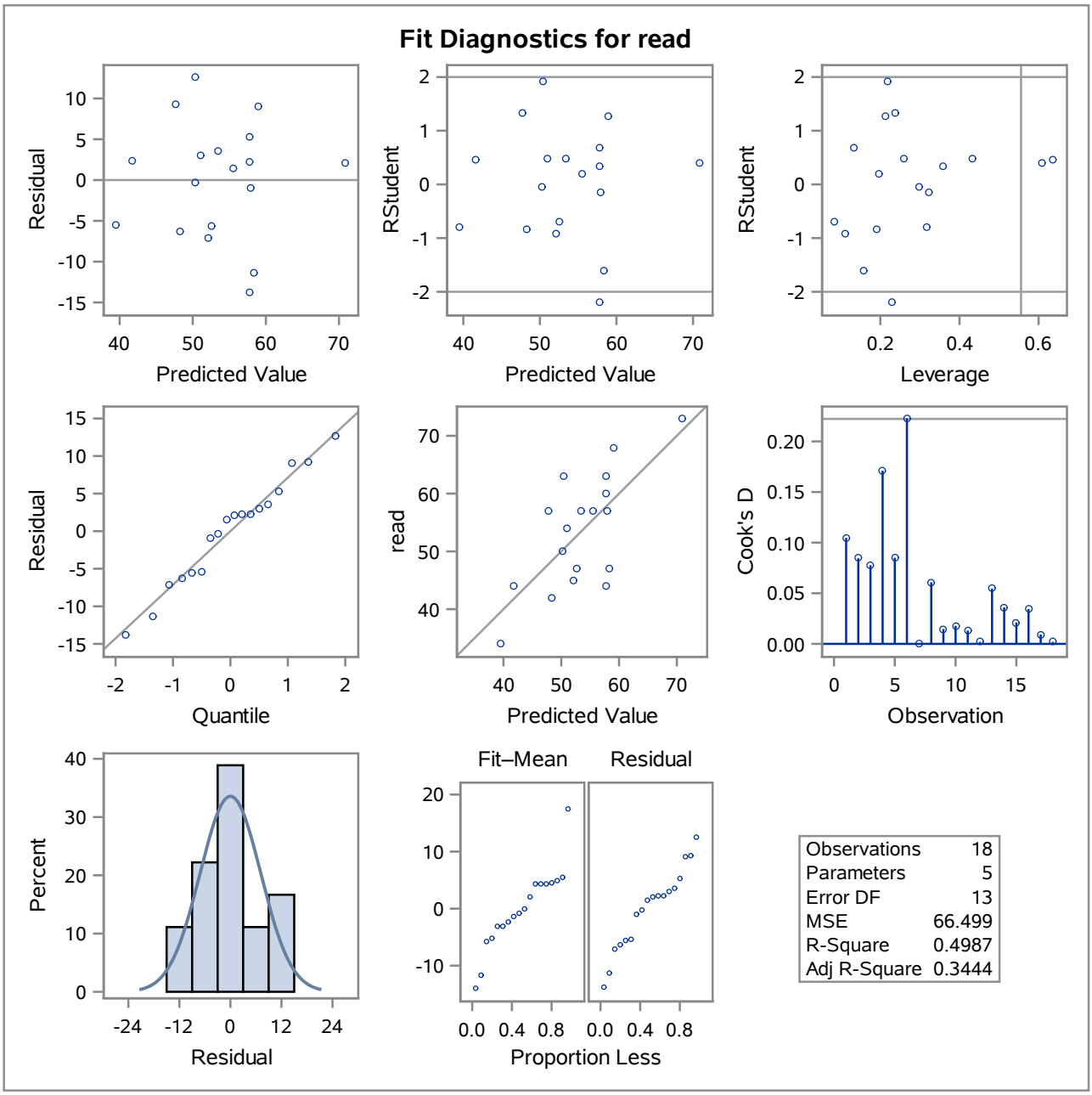
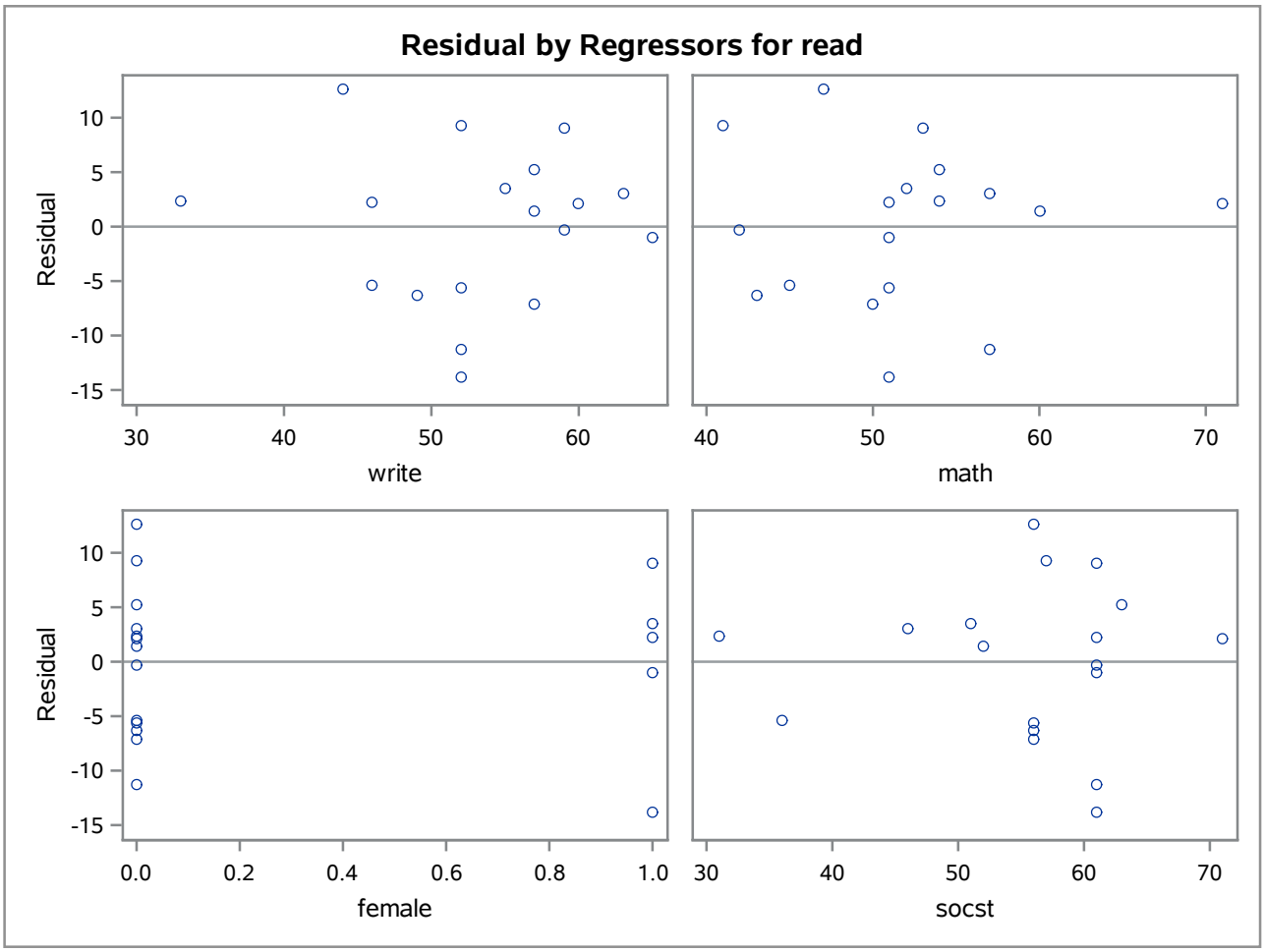
The REG Procedure
Model: MODEL1
Dependent Variable: read



The REG Procedure
Model: MODEL1
Dependent Variable: read



today's date is 29AUG2021 and today is Sunday

The MEANS Procedure

Variable	N	Mean	Std Dev	Minimum	Maximum
write	18	53.2222222	7.7273811	33.0000000	65.0000000
math	18	51.6666667	7.1373088	41.0000000	71.0000000
female	18	0.2777778	0.4608886	0	1.0000000
socst	18	55.3888889	9.6536423	31.0000000	71.0000000

today's date is 29AUG2021 and today is Sunday

The MEANS Procedure

Analysis Variable : write
N
9

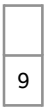
today's date is 29AUG2021 and today is Sunday

Obs	_TYPE_	_FREQ_	n
1	0	9	9

today's date is 29AUG2021 and today is Sunday

Obs	write	w55
1	52	9
2	59	9
3	33	9
4	44	9
5	52	9
6	52	9
7	59	9
8	46	9
9	57	9
10	55	9
11	46	9
12	65	9
13	60	9
14	63	9
15	57	9
16	49	9
17	52	9
18	57	9

today's date is 29AUG2021 and today is Sunday



today's date is 29AUG2021 and today is Sunday

52.66667
54.8
50.4

today's date is 29AUG2021 and today is Sunday

The LOGISTIC Procedure

Model Information	
Data Set	WORK.XXX
Response Variable	v1
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	10
Number of Observations Used	10

Response Profile		
Ordered Value	**v1**	**Total Frequency**
1	1	5
2	0	5

Probability modeled is v1=1.

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

Model Fit Statistics		
Criterion	**Intercept Only**	**Intercept and Covariates**
AIC	15.863	18.294
SC	16.166	19.202
-2 Log L	13.863	12.294

Testing Global Null Hypothesis: BETA=0			
Test	**Chi-Square**	**DF**	**Pr > ChiSq**
Likelihood Ratio	1.5685	2	0.4565
Score	1.4608	2	0.4817
Wald	1.2580	2	0.5331

Analysis of Maximum Likelihood Estimates					
Parameter	**DF**	**Estimate**	**Standard Error**	**Wald Chi-Square**	**Pr > ChiSq**
Intercept	1	2.4570	2.3179	1.1237	0.2891
ind1	1	-0.0428	0.0524	0.6671	0.4141
ind2	1	-0.0171	0.0300	0.3243	0.5691

today's date is 29AUG2021 and today is Sunday

The LOGISTIC Procedure

Odds Ratio Estimates			
Effect	**Point Estimate**	**95% Wald Confidence Limits**	
ind1	0.958	0.865	1.062
ind2	0.983	0.927	1.043

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	68.0	**Somers' D**	0.360
Percent Discordant	32.0	**Gamma**	0.360
Percent Tied	0.0	**Tau-a**	0.200
Pairs	25	**c**	0.680

dependent variable is v1

The LOGISTIC Procedure

Model Information	
Data Set	WORK.XXX
Response Variable	v1
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	10
Number of Observations Used	10

Response Profile		
Ordered Value	**v1**	**Total Frequency**
1	1	5
2	0	5

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The LOGISTIC Procedure

Odds Ratio Estimates			
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Percent Discordant	32.0	Gamma	0.360
Percent Tied	0.0	Tau-a	0.200
Pairs	25	c	0.680

dependent variable is v2

The LOGISTIC Procedure

Model Information	
Data Set	WORK.XXX
Response Variable	v2
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	10
Number of Observations Used	10

Response Profile		
Ordered Value	**v2**	**Total Frequency**
1	1	7
2	0	3

Probability modeled is v2=1.

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

Model Fit Statistics		
Criterion	**Intercept Only**	**Intercept and Covariates**
AIC	14.217	14.710
SC	14.520	15.618
-2 Log L	12.217	8.710

Testing Global Null Hypothesis: BETA=0			
Test	**Chi-Square**	**DF**	**Pr > ChiSq**
Likelihood Ratio	3.5072	2	0.1731
Score	2.6268	2	0.2689
Wald	1.4084	2	0.4945

Analysis of Maximum Likelihood Estimates					
Parameter	**DF**	**Estimate**	**Standard Error**	**Wald Chi-Square**	**Pr > ChiSq**
Intercept	1	0.3278	2.1564	0.0231	0.8792
ind1	1	-0.0948	0.0927	1.0458	0.3065
ind2	1	0.0908	0.0768	1.3978	0.2371

dependent variable is v2

The LOGISTIC Procedure

Odds Ratio Estimates			
Effect	**Point Estimate**	**95% Wald Confidence Limits**	
ind1	0.910	0.758	1.091
ind2	1.095	0.942	1.273

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	85.7	**Somers' D**	0.714
Percent Discordant	14.3	**Gamma**	0.714
Percent Tied	0.0	**Tau-a**	0.333
Pairs	21	**c**	0.857

dependent variable is v3

The LOGISTIC Procedure

Model Information	
Data Set	WORK.XXX
Response Variable	v3
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	10
Number of Observations Used	10

Response Profile		
Ordered Value	**v3**	**Total Frequency**
1	1	3
2	0	7

Probability modeled is v3=1.

Model Convergence Status
Complete separation of data points detected.

Warning: The maximum likelihood estimate does not exist.

Warning: The LOGISTIC procedure continues in spite of the above warning. Results shown are based on the last maximum likelihood iteration. Validity of the model fit is questionable.

Model Fit Statistics		
Criterion	**Intercept Only**	**Intercept and Covariates**
AIC	14.217	6.005
SC	14.520	6.913
-2 Log L	12.217	0.005

Testing Global Null Hypothesis: BETA=0			
Test	**Chi-Square**	**DF**	**Pr > ChiSq**
Likelihood Ratio	12.2121	2	0.0022
Score	7.4171	2	0.0245
Wald	0.1313	2	0.9365

dependent variable is v3

The LOGISTIC Procedure

Warning: The validity of the model fit is questionable.

Analysis of Maximum Likelihood Estimates					
Parameter	**DF**	**Estimate**	**Standard Error**	**Wald Chi-Square**	**Pr > ChiSq**
Intercept	1	33.3421	114.2	0.0852	0.7704
ind1	1	-0.5043	2.6645	0.0358	0.8499
ind2	1	-0.4012	1.3384	0.0899	0.7643

Odds Ratio Estimates			
Effect	**Point Estimate**	**95% Wald Confidence Limits**	
ind1	0.604	0.003	111.946
ind2	0.670	0.049	9.225

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	100.0	**Somers' D**	1.000
Percent Discordant	0.0	**Gamma**	1.000
Percent Tied	0.0	**Tau-a**	0.467
Pairs	21	**c**	1.000

dependent variable is v4

The LOGISTIC Procedure

Model Information	
Data Set	WORK.XXX
Response Variable	v4
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	10
Number of Observations Used	10

Response Profile		
Ordered Value	**v4**	**Total Frequency**
1	1	5
2	0	5

Probability modeled is v4=1.

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

Model Fit Statistics		
Criterion	**Intercept Only**	**Intercept and Covariates**
AIC	15.863	16.999
SC	16.166	17.906
-2 Log L	13.863	10.999

Testing Global Null Hypothesis: BETA=0			
Test	**Chi-Square**	**DF**	**Pr > ChiSq**
Likelihood Ratio	2.8644	2	0.2388
Score	2.6071	2	0.2716
Wald	2.1196	2	0.3465

Analysis of Maximum Likelihood Estimates					
Parameter	**DF**	**Estimate**	**Standard Error**	**Wald Chi-Square**	**Pr > ChiSq**
Intercept	1	-3.2181	2.5678	1.5706	0.2101
ind1	1	0.0831	0.0598	1.9292	0.1649
ind2	1	0.00418	0.0322	0.0169	0.8966

dependent variable is v4

The LOGISTIC Procedure

Odds Ratio Estimates			
Effect	**Point Estimate**	**95% Wald Confidence Limits**	
ind1	1.087	0.966	1.222
ind2	1.004	0.943	1.070

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	80.0	**Somers' D**	0.600
Percent Discordant	20.0	**Gamma**	0.600
Percent Tied	0.0	**Tau-a**	0.333
Pairs	25	**c**	0.800

dependent variable is v5

The LOGISTIC Procedure

Model Information	
Data Set	WORK.XXX
Response Variable	v5
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	10
Number of Observations Used	10

Response Profile		
Ordered Value	**v5**	**Total Frequency**
1	1	5
2	0	5

Probability modeled is v5=1.

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

Model Fit Statistics		
Criterion	**Intercept Only**	**Intercept and Covariates**
AIC	15.863	18.294
SC	16.166	19.202
-2 Log L	13.863	12.294

Testing Global Null Hypothesis: BETA=0			
Test	**Chi-Square**	**DF**	**Pr > ChiSq**
Likelihood Ratio	1.5685	2	0.4565
Score	1.4608	2	0.4817
Wald	1.2580	2	0.5331

Analysis of Maximum Likelihood Estimates					
Parameter	**DF**	**Estimate**	**Standard Error**	**Wald Chi-Square**	**Pr > ChiSq**
Intercept	1	-2.4570	2.3179	1.1237	0.2891
ind1	1	0.0428	0.0524	0.6671	0.4141
ind2	1	0.0171	0.0300	0.3243	0.5691

dependent variable is v5

The LOGISTIC Procedure

Odds Ratio Estimates			
Effect	**Point Estimate**	**95% Wald Confidence Limits**	
ind1	1.044	0.942	1.157
ind2	1.017	0.959	1.079

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	68.0	**Somers' D**	0.360
Percent Discordant	32.0	**Gamma**	0.360
Percent Tied	0.0	**Tau-a**	0.200
Pairs	25	**c**	0.680