

```

GET
  FILE='C:\Documents and Settings\Omri\Desktop\omri\statisticfiles\logregre'+
  'ssion.sav'.
DATASET NAME DataSet1 WINDOW=FRONT.
LOGISTIC REGRESSION VARIABLES snsbinary
  /METHOD = BSTEP(COND) tempaug percipitation percipitation*tempaug
  /CRITERIA = PIN(.05) POUT(.10) ITERATE(20) CUT(.5) .

```

## Logistic Regression

### Notes

Output Created	28-FEB-2007 21:54:42	
Comments		
Input	Data	C:\Documents and Settings\Omri\Desktop\omri\statisticfiles\logregression.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	88
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing
Syntax	LOGISTIC REGRESSION VARIABLES snsbinary /METHOD = BSTEP(COND) tempaug percipitation percipitation*tempaug /CRITERIA = PIN(.05) POUT(.10) ITERATE(20) CUT(.5) .	
Resources	Elapsed Time	0:00:00.03
	Processor Time	0:00:00.02

[DataSet1] C:\Documents and Settings\Omri\Desktop\omri\statisticfiles\logregression.sav

### Case Processing Summary

Unweighted Cases <sup>a</sup>		N	Percent
Selected Cases	Included in Analysis	88	100.0
	Missing Cases	0	.0
	Total	88	100.0
Unselected Cases		0	.0
Total		88	100.0

a. If weight is in effect, see classification table for the total number of cases.

### Dependent Variable Encoding

Original Value	Internal Value
0	0
1	1

## Block 0: Beginning Block

**Classification Table<sup>a,b</sup>**

Observed			Predicted		
			s/ns binary		Percentage Correct
			0	1	
Step 0	s/ns binary	0	0	24	.0
		1	0	64	100.0
Overall Percentage					72.7

a. Constant is included in the model.

b. The cut value is .500

**Variables in the Equation**

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 0	Constant	.981	.239	16.792	1	.000	2.667

**Variables not in the Equation**

			Score	df	Sig.
Step 0	Variables	tempaug	.163	1	.687
		percipitation	.437	1	.509
		percipitation by tempaug	.057	1	.811
Overall Statistics			32.299	3	.000

**Block 1: Method = Backward Stepwise (Conditional)**

**Omnibus Tests of Model Coefficients**

		Chi-square	df	Sig.
Step 1	Step	36.746	3	.000
	Block	36.746	3	.000
	Model	36.746	3	.000

**Model Summary**

Step	-2 Log likelihood	Cox & Snell R Square	Nagelkerke R Square
1	66.381 <sup>a</sup>	.341	.495

a. Estimation terminated at iteration number 7 because parameter estimates changed by less than .001.

**Classification Table<sup>a</sup>**

Observed			Predicted		Percentage Correct
			s/ns binary		
			0	1	
Step 1	s/ns binary	0	13	11	54.2
		1	5	59	92.2
Overall Percentage					81.8

a. The cut value is .500

**Variables in the Equation**

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 1 <sup>a</sup>	tempaug	-2.249	.761	8.726	1	.003	.106
	percipitation	-.137	.037	13.540	1	.000	.872
	percipitation by tempaug	.005	.001	13.036	1	.000	1.005
	Constant	61.599	20.304	9.205	1	.002	5.7E+026

a. Variable(s) entered on step 1: tempaug, percipitation, percipitation \* tempaug .

**Model if Term Removed<sup>a</sup>**

Variable		Model Log Likelihood	Change in -2 Log Likelihood	df	Sig. of the Change
Step 1	tempaug	-48.362	30.343	1	.000
	percipitation	-57.809	49.237	1	.000
	percipitation * tempaug	-56.774	47.167	1	.000

a. Based on conditional parameter estimates

```
LOGISTIC REGRESSION VARIABLES snsbinary
/METHOD = BSTEP(COND) tempaug percipitation percipitation*tempaug
/CRITERIA = PIN(.05) POUT(.10) ITERATE(20) CUT(.75) .
```

## Logistic Regression

**Notes**

Output Created	28-FEB-2007 21:55:21	
Comments		
Input	Data	C:\Documents and Settings\Omri\Desktop\omri\statisticfiles\logregression.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	88
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing
Syntax		LOGISTIC REGRESSION VARIABLES snsbinary /METHOD = BSTEP(COND) tempaug percipitation percipitation*tempaug /CRITERIA = PIN(.05) POUT(.10) ITERATE(20) CUT(.75) .
Resources	Elapsed Time	0:00:00.01
	Processor Time	0:00:00.03

[DataSet1] C:\Documents and Settings\Omri\Desktop\omri\statisticfiles\logregression.sav

**Case Processing Summary**

Unweighted Cases <sup>a</sup>		N	Percent
Selected Cases	Included in Analysis	88	100.0
	Missing Cases	0	.0
	Total	88	100.0
Unselected Cases		0	.0
Total		88	100.0

a. If weight is in effect, see classification table for the total number of cases.

**Dependent Variable Encoding**

Original Value	Internal Value
0	0
1	1

**Block 0: Beginning Block**

**Classification Table<sup>a,b</sup>**

Observed			Predicted		
			s/ns binary		Percentage Correct
			0	1	
Step 0	s/ns binary	0	24	0	100.0
		1	64	0	.0
Overall Percentage					27.3

a. Constant is included in the model.

b. The cut value is .750

**Variables in the Equation**

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 0	Constant	.981	.239	16.792	1	.000	2.667

**Variables not in the Equation**

			Score	df	Sig.
Step 0	Variables	tempaug	.163	1	.687
		percipitation	.437	1	.509
		percipitation by tempaug	.057	1	.811
Overall Statistics			32.299	3	.000

**Block 1: Method = Backward Stepwise (Conditional)**

**Omnibus Tests of Model Coefficients**

		Chi-square	df	Sig.
Step 1	Step	36.746	3	.000
	Block	36.746	3	.000
	Model	36.746	3	.000

**Model Summary**

Step	-2 Log likelihood	Cox & Snell R Square	Nagelkerke R Square
1	66.381 <sup>a</sup>	.341	.495

a. Estimation terminated at iteration number 7 because parameter estimates changed by less than .001.

**Classification Table<sup>a</sup>**

Observed			Predicted		
			s/ns binary		Percentage Correct
			0	1	
Step 1	s/ns binary	0	18	6	75.0
		1	14	50	78.1
Overall Percentage					77.3

a. The cut value is .750

**Variables in the Equation**

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 1 <sup>a</sup>	tempaug	-2.249	.761	8.726	1	.003	.106
	percipitation	-.137	.037	13.540	1	.000	.872
	percipitation by tempaug	.005	.001	13.036	1	.000	1.005
	Constant	61.599	20.304	9.205	1	.002	5.7E+026

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Step 1	tempaug	-48.362	30.343	1	.000
	percipitation	-57.809	49.237	1	.000
	percipitation * tempaug	-56.774	47.167	1	.000

a. Based on conditional parameter estimates

```
LOGISTIC REGRESSION VARIABLES snsbinary
/METHOD = BSTEP(COND) tempaug percipitation percipitation*tempaug
/CRITERIA = PIN(.05) POUT(.10) ITERATE(20) CUT(.25) .
```

## Logistic Regression

**Notes**

Output Created	28-FEB-2007 21:56:16	
Comments		
Input	Data	C:\Documents and Settings\Omri\Desktop\omri\statisticfiles\logregression.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	88
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing
Syntax		LOGISTIC REGRESSION VARIABLES snsbinary /METHOD = BSTEP(COND) tempaug percipitation percipitation*tempaug /CRITERIA = PIN(.05) POUT(.10) ITERATE(20) CUT(.25) .
Resources	Elapsed Time	0:00:00.02
	Processor Time	0:00:00.02

[DataSet1] C:\Documents and Settings\Omri\Desktop\omri\statisticfiles\logregression.sav

**Case Processing Summary**

Unweighted Cases <sup>a</sup>		N	Percent
Selected Cases	Included in Analysis	88	100.0
	Missing Cases	0	.0
	Total	88	100.0
Unselected Cases		0	.0
Total		88	100.0

a. If weight is in effect, see classification table for the total number of cases.

**Dependent Variable Encoding**

Original Value	Internal Value
0	0
1	1

**Block 0: Beginning Block**

**Classification Table<sup>a,b</sup>**

Observed			Predicted		
			s/ns binary		Percentage Correct
			0	1	
Step 0	s/ns binary	0	0	24	.0
		1	0	64	100.0
Overall Percentage					72.7

a. Constant is included in the model.

b. The cut value is .250

**Variables in the Equation**

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 0	Constant	.981	.239	16.792	1	.000	2.667

**Variables not in the Equation**

			Score	df	Sig.
Step 0	Variables	tempaug	.163	1	.687
		percipitation	.437	1	.509
		percipitation by tempaug	.057	1	.811
Overall Statistics			32.299	3	.000

**Block 1: Method = Backward Stepwise (Conditional)**

**Omnibus Tests of Model Coefficients**

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Step 1	Step	36.746	3	.000
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**Model Summary**

Step	-2 Log likelihood	Cox & Snell R Square	Nagelkerke R Square
1	66.381 <sup>a</sup>	.341	.495

a. Estimation terminated at iteration number 7 because parameter estimates changed by less than .001.



**Classification Table<sup>a</sup>**

Observed			Predicted		
			s/ns binary		Percentage Correct
			0	1	
Step 1	s/ns binary	0	10	14	41.7
		1	1	63	98.4
	Overall Percentage				83.0

a. The cut value is .250

**Variables in the Equation**

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 1 <sup>a</sup>	tempaug	-2.249	.761	8.726	1	.003	.106
	percipitation	-.137	.037	13.540	1	.000	.872
	percipitation by tempaug	.005	.001	13.036	1	.000	1.005
	Constant	61.599	20.304	9.205	1	.002	5.7E+026

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	percipitation * tempaug	-56.774	47.167	1	.000

a. Based on conditional parameter estimates