

Logistic Regression

Notes

Output Created	21-Sep-2019 08:01:25	
Comments		
Input	Data	D:\##DATA\SKRIPSI.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	178
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing
Syntax	LOGISTIC REGRESSION VARIABLES ASI_eksklusif /METHOD=ENTER Pendidikan_ibu Pendidikan_ayah Status_pekerjaan_ayah Penghasilan_orangtua /CONTRAST (Penghasilan_orangtua)=Indicator /CONTRAST (Pendidikan_ibu)=Indicator /CONTRAST (Status_pekerjaan_ayah)=Indicator /CONTRAST (Pendidikan_ayah)=Indicator /CLASSPLOT /PRINT=GOODFIT CORR ITER(1) CI(95) /CRITERIA=PIN(0.05) POUT(0.10) ITERATE(20) CUT(0.5).	
Resources	Processor Time	00:00:00.016
	Elapsed Time	00:00:00.013

[DataSet1] D:\##DATA\SKRIPSI.sav

Case Processing Summary

Unweighted Cases ^a		N	Percent
Selected Cases	Included in Analysis	178	100.0
	Missing Cases	0	.0
	Total	178	100.0
Unselected Cases		0	.0
Total		178	100.0

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

Categorical Variables Codings

		Frequency	Parameter coding
			(1)
Penghasilan_orangtua	<= Rp.1.570.000	66	1.000
	> Rp. 1.570.000	112	.000
Pendidikan_ayah	Rendah	85	1.000
	Tinggi	93	.000
Status_pekerjaan_ayah	Tidak bekerja	22	1.000
	Bekerja	156	.000
Pendidikan_ibu	Rendah	100	1.000
	Tinggi	78	.000

Block 0: Beginning Block

Iteration History^{a,b,c}

Iteration	-2 Log likelihood	Coefficients	
		Constant	
Step 0	1	246.760	.000

a. Constant is included in the model.

b. Initial -2 Log Likelihood: 246.760

c. Estimation terminated at iteration number 1 because parameter estimates changed by less than .001.

Classification Table^{a,b}

Observed	Predicted	ASI_eksklusif		Percentage Correct
		Tidak ASI eksklusif	ASI Eksklusif	
		ASI_eksklusif	Tidak ASI eksklusif	
	ASI Eksklusif	0	89	100.0
Overall Percentage				50.0

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	.000	.150	.000	1	1.000	1.000

Variables not in the Equation

	Score	df	Sig.	
Step 0	Variables			
	Pendidikan_ibu(1)	.365	1	.546
	Pendidikan_ayah(1)	2.725	1	.099
	Status_pekerjaan_ayah(1)	5.186	1	.023
	Penghasilan_orangtua(1)	9.632	1	.002
	Overall Statistics	26.439	4	.000

Block 1: Method = Enter

Iteration History^{a,b,c,d}

Iteration	-2 Log likelihood	Coefficients					
		Constant	Pendidikan_ibu(1)	Pendidikan_ayah(1)	Status_pekerjaan_ayah(1)	Penghasilan_orangtua(1)	
Step 1	1	218.710	.298	-.634	-.672	-1.348	1.473
	2	218.183	.343	-.720	-.787	-1.609	1.698
	3	218.181	.345	-.725	-.794	-1.626	1.711
	4	218.181	.345	-.725	-.794	-1.626	1.711

a. Method: Enter

b. Constant is included in the model.

c. Initial -2 Log Likelihood: 246.760

d. Estimation terminated at iteration number 4 because parameter estimates changed by less than .001.

Omnibus Tests of Model Coefficients

		Chi-square	df	Sig.
Step 1	Step	28.579	4	.000
	Block	28.579	4	.000
	Model	28.579	4	.000

Model Summary

Step	-2 Log likelihood	Cox & Snell R Square	Nagelkerke R Square
1	218.181 ^a	.148	.198

a. Estimation terminated at iteration number 4 because parameter estimates changed by less than .001.

Hosmer and Lemeshow Test

Step	Chi-square	df	Sig.
1	4.345	6	.630

Contingency Table for Hosmer and Lemeshow Test

		ASI_eksklusif = Tidak ASI eksklusif		ASI_eksklusif = ASI Eksklusif		Total
		Observed	Expected	Observed	Expected	
Step 1	1	10	8.659	0	1.341	10
	2	16	16.804	6	5.196	22
	3	10	9.569	5	5.431	15
	4	16	16.627	12	11.373	28
	5	3	4.703	5	3.297	8
	6	16	16.585	24	23.415	40
	7	14	11.458	17	19.542	31
	8	4	4.595	20	19.405	24

Classification Table^a

	Observed		Predicted		Percentage Correct
			ASI_eksklusif		
			Tidak ASI eksklusif	ASI Eksklusif	
Step 1	ASI_eksklusif	Tidak ASI eksklusif	55	34	61.8
		ASI Eksklusif	28	61	68.5
	Overall Percentage				65.2

a. The cut value is .500

Variables in the Equation

	B	S.E.	Wald	df	Sig.	Exp(B)	95.0% C.I. for EXP(B)	
							Lower	Upper
Step 1 ^a Pendidikan_ibu(1)	-.725	.360	4.043	1	.044	.484	.239	.982
Pendidikan_ayah(1)	-.794	.365	4.736	1	.030	.452	.221	.924
Status_pekerjaan_ayah(1)	-1.626	.583	7.790	1	.005	.197	.063	.616
Penghasilan_orangtua(1)	1.711	.403	18.055	1	.000	5.535	2.514	12.188
Constant	.345	.280	1.519	1	.218	1.412		

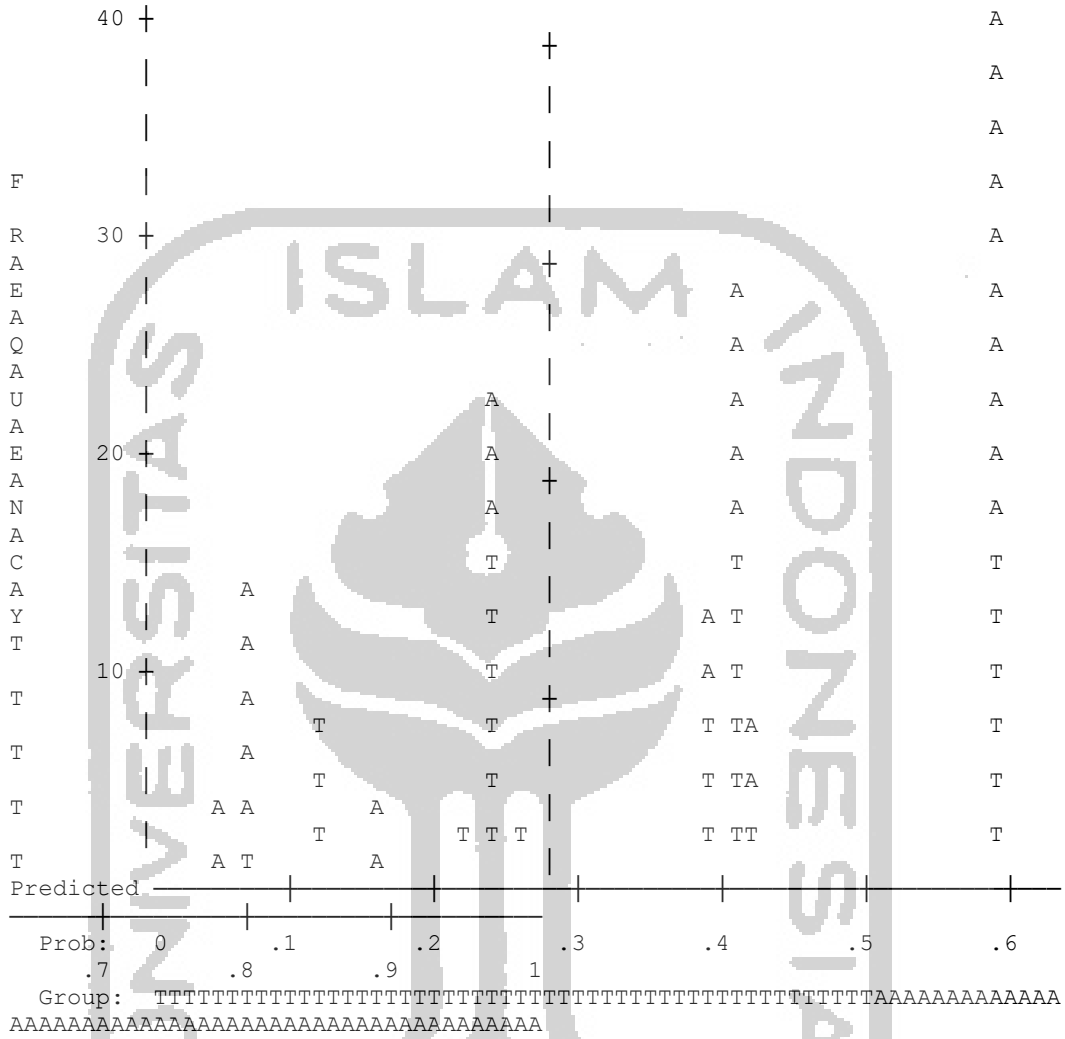
a. Variable(s) entered on step 1: Pendidikan_ibu, Pendidikan_ayah, Status_pekerjaan_ayah, Penghasilan_orangtua.

Correlation Matrix

	Constant	Pendidikan_ibu(1)	Pendidikan_ayah(1)	Status_pekerjaan_ayah(1)	Penghasilan_orangtua(1)
Step 1 Constant	1.000	-.565	-.326	-.227	-.023
Pendidikan_ibu(1)	-.565	1.000	-.103	.304	-.302
Pendidikan_ayah(1)	-.326	-.103	1.000	-.114	-.353
Status_pekerjaan_ayah(1)	-.227	.304	-.114	1.000	-.265
Penghasilan_orangtua(1)	-.023	-.302	-.353	-.265	1.000

Step number: 1

Observed Groups and Predicted Probabilities



Predicted Probability is of Membership for ASI Eksklusif
The Cut Value is .50

Symbols: T - Tidak ASI eksklusif

A - ASI Eksklusif

Each Symbol Represents 2.5 Cases.