

Logistic Regression

Notes

Output Created	21-Sep-2019 07:34:56	
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_ibu Status_pekerjaan_ayah Penghasilan_orangtua /CONTRAST (Penghasilan_orangtua)=Indicator /CONTRAST (Status_pekerjaan_ibu)=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	00:00:00.021

[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.

Dependent Variable Encoding

Original Value	Internal Value
Tidak ASI eksklusif	0
ASI Eksklusif	1

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_ibu	Tidak bekerja	101	1.000
	Bekerja	77	.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	
Step 0	ASI_eksklusif	Tidak ASI eksklusif	0	89	.0
		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_ibu(1)	1.122	1	.290
		Status_pekerjaan_ayah(1)	5.186	1	.023

Penghasilan_orangtua(1)	9.632	1	.002
Overall Statistics	26.915	5	.000

Block 1: Method = Enter

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

Iteration	-2 Log likelihood	Coefficients						
		Constant	Pendidikan_ibu(1)	Pendidikan_ayah(1)	Status_pekerja_an_ibu(1)	Status_pekerja_an_ayah(1)	Penghasilan_orangtua(1)	
Step 1	1	218.227	.419	-.603	-.677	-.244	-1.506	1.531
	2	217.696	.466	-.684	-.792	-.259	-1.780	1.758
	3	217.694	.468	-.688	-.799	-.260	-1.798	1.771
	4	217.694	.468	-.688	-.799	-.260	-1.798	1.771

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.

Model Summary

Step	-2 Log likelihood	Cox & Snell R Square	Nagelkerke R Square
1	217.694 ^a	.151	.201

a. 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	29.067	5	.000
Block	29.067	5	.000
Model	29.067	5	.000

Hosmer and Lemeshow Test

Step	Chi-square	df	Sig.
1	4.748	8	.784

Contingency Table for Hosmer and Lemeshow Test

		ASI_eksklusif = Tidak ASI eksklusif		ASI_eksklusif = ASI Eksklusif		Total
		Observed	Expected	Observed	Expected	
Step 1	1	21	21.225	5	4.775	26
	2	11	9.846	3	4.154	14
	3	12	10.501	5	6.499	17
	4	7	8.754	8	6.246	15
	5	4	6.101	7	4.899	11
	6	7	8.010	11	9.990	18
	7	10	8.855	13	14.145	23
	8	10	8.346	12	13.654	22
	9	3	3.737	10	9.263	13
	10	4	3.625	15	15.375	19

Classification Table^a

Observed		Predicted			
		ASI_eksklusif		Percentage Correct	
		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)	-.688	.363	3.584	1	.058	.503	.247	1.025
Pendidikan_ayah(1)	-.799	.365	4.791	1	.029	.450	.220	.920
Status_pekerjaan_ibu(1)	-.260	.374	.485	1	.486	.771	.371	1.603
Status_pekerjaan_ayah(1)	-1.798	.635	8.020	1	.005	.166	.048	.575
Penghasilan_orangtua(1)	1.771	.412	18.450	1	.000	5.878	2.620	13.189
Constant	.468	.332	1.990	1	.158	1.598		

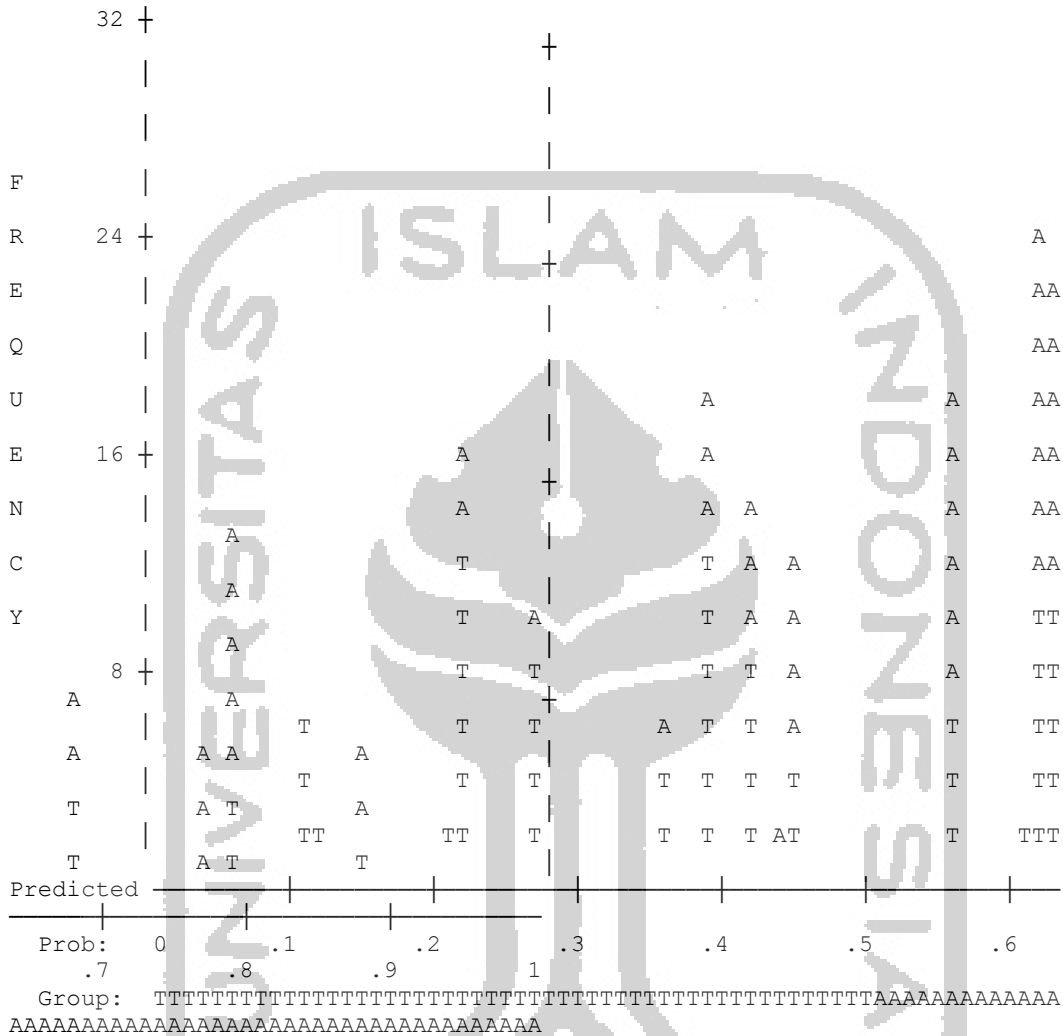
a. Variable(s) entered on step 1: Pendidikan_ibu, Pendidikan_ayah, Status_pekerjaan_ibu, Status_pekerjaan_ayah, Penghasilan_orangtua.

Correlation Matrix

	Constant	Pendidikan_ibu(1)	Pendidikan_ayah(1)	Status_pekerjaan_ibu(1)	Status_pekerjaan_ayah(1)	Penghasilan_orangtua(1)
Step 1 Constant	1.000	-.398	-.289	-.538	-.384	.095
Pendidikan_ibu(1)	-.398	1.000	-.102	-.137	.219	-.260
Pendidikan_ayah(1)	-.289	-.102	1.000	.027	-.094	-.350
Status_pekerjaan_ibu(1)	-.538	-.137	.027	1.000	.394	-.222
Status_pekerjaan_ayah(1)	-.384	.219	-.094	.394	1.000	-.325
Penghasilan_orangtua(1)	.095	-.260	-.350	-.222	-.325	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 Cases.