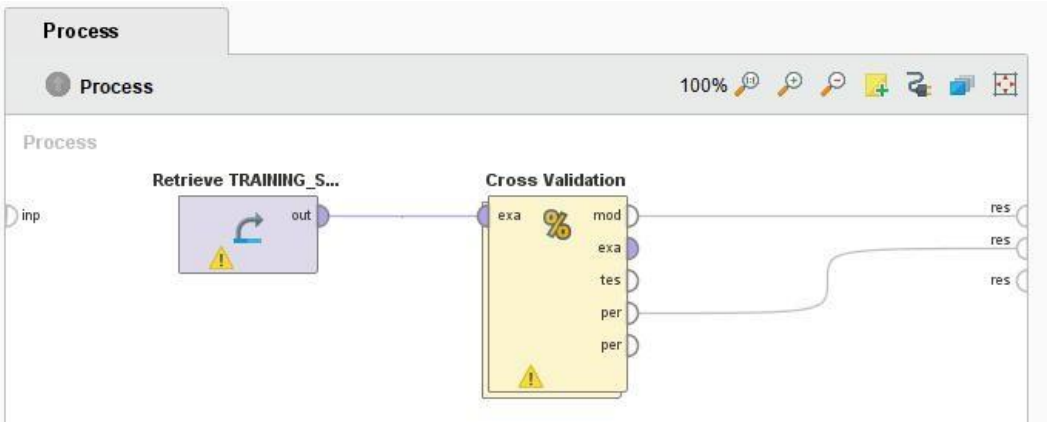
Nama : Intan Larasati
NIM : L200170091
Kelas : D

Laporan Tugas Praktikum DWDM
Modul 11

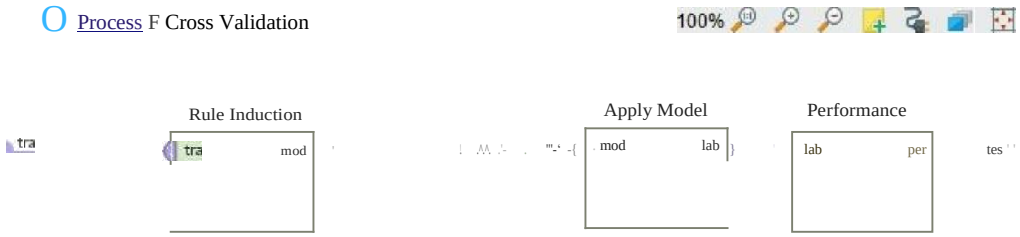
ExampleSet (20 examples, 1 special attribute, 5 regular attributes)

Row No.	Lama_Studi	Jurusan_SMA	Gender	Asal_Sekolah	Rerata_SKS	Asisten
5	TEPAT	IPA	WANITA	SURAKARTA	17	TIDAK
6	TEPAT	IPA	WANITA	LUAR	18	YA
7	TERLAMBAT	IPA	PRIA	SURAKARTA	18	TIDAK
8	TEPAT	IPA	PRIA	SURAKARTA	19	TIDAK
9	TERLAMBAT	IPS	PRIA	LUAR	18	TIDAK
10	TEPAT	LAIN	WANITA	SURAKARTA	18	TIDAK
11	TEPAT	IPA	WANITA	SURAKARTA	19	TIDAK
12	TEPAT	IPS	PRIA	SURAKARTA	20	TIDAK
13	TEPAT	IPS	PRIA	SURAKARTA	19	TIDAK
14	TEPAT	IPA	PRIA	SURAKARTA	19	TIDAK
15	TEPAT	IPA	PRIA	LUAR	22	YA
16	TERLAMBAT	LAIN	PRIA	SURAKARTA	16	TIDAK
17	TEPAT	IPS	PRIA	LUAR	20	TIDAK
18	TEPAT	LAIN	PRIA	LUAR	23	YA
19	TEPAT	IPA	PRIA	SURAKARTA	21	YA
20	TERLAMBAT	IPS	PRIA	SURAKARTA	19	TIDAK



Process

O Process F Cross Validation



RuleModel

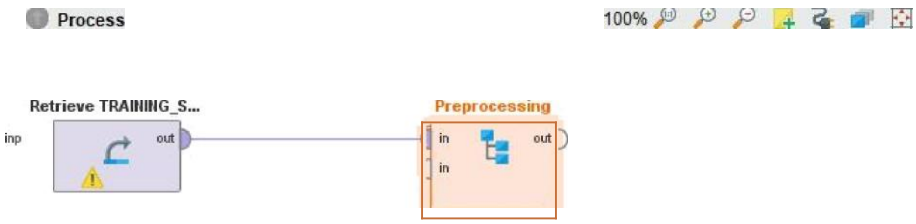
```
if Rerata_5H5 > 18.500 then TEPAT   {2 / 10}
if Gender = PRIA then TERLANBAT   (4 / 0)
if Jurusan_5NA = IPA then TEPAT (0 / 2}
i€ Jurusan_SMA = IPS then TERLANRAT    1 / 0}
else TEPAT  {0 / 0}

cozzect: 17 out of 19 training enamples.
```

:fi Table View .' Plot View

accuracy:690ON<-3l0Zh]microayera4e:6S.0OA}

	true TERLAI¥BAT	true TEPAT	cla ss pre cision
pred. TE RLAMBAT	4	4	50.00%
pred. TEPAT	3	9	7500X
cl a s s recall	57.14%	69.23%	

Process



Process

: Prnn• r PreprDcessing 100% ,*:'

DiscretizeliyFrecme... tJon›ii al to Binomii nl

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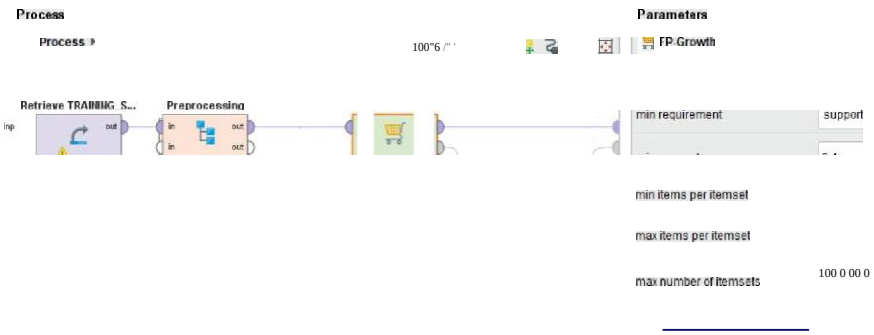
Process

Process ¥ 100%

Retrieve TRAINING S... Preprocessing FP-Growth

in|› out in out exa exa



Result History | FrequentItemSets (FP-Growth) | AssociationRules (Create Association Rules)

Min. Size: 1

Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
1	0.500	Ju Ms an SMA = IPA				
2	0 250	Gender	Asal Sekolah			
2	0.450	Juisaa_SMA=IPA	Asa_Sekolat			
2	0.200	Lisan SMA=IPA	Aasen			

FrequentItemSets (FP-Growth) | AssociationRules (Create Association Rules) | ExampleSet (Nominal to Binominal)

No. of Sets: 55
Total Max. Size: 5

Max. Size: 5
Contains Item:
Update View

Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
2	0 4 OO	Asal Sekolah	Jurusan_SMA -1°B			
2	0 150	Asal Sekolah	Rerata SKS			
2	0 050	Asal Sekolah	Jurus an SMA = L			
2		Jurusan_SMA = IPS	Rerata_SKS			
2		Asisten	Rerata SKS			
2	0 050	Asisten	Jurus an SMA = L			
2	0 050	Rerata SKS	Jurusan SMA = L..			
3	0 fl00	Gender	Jurusan SMA = IPA	Asal Sekolah		
3	0 flSO	Gender	Jurusan SMA = IPA	Asisten		
3	0 fl00	Gender	Juisan SMA:°A	Reraa SKS		
3	0150	Gender	Asal_Sekolah	R eraIa_SKS		
3	0 050	Gender	Asal_Sekolah	Jurusan_SMA = L.		
3	0100	Gender	Jurus an_SMA=1°B	ReraIa_SKS		

Total Max. Size: 5

Min. Size: 1

Max. Size: 5

Contains Item:

Update View

	Support				Item 4	Item 5
3	0 150	Gender	Asisten	Rerata SKS		
3	0 0%0	Gender	Asisten	Jurusan_BMA = L..		
3	0 04O	Gender	Rerata SKS	Jurusan SMA = L		
3	0 1 00	Jurusan_SMA = IPA	Asal_Sekolah	Asisten		
3	0 04O	J uru san DMA = IPA	Asal Sekolah	Rerata SKS		
3	0 1 00	Jurusan_SMA = IPA	Asisten	Rerata_SKS		
3	0 04O	As al_8 ekol ah	J urus an_SMA = I°3	Rerata_SKS		
3	0 1 00	Asal_Sekolah	Asisten	Rerata_SKS		
3	0 050	As al_S ekol ah	Asisten	J uru s an_BMA- L		
	0 050	Asal Sekolah	Rerata SKS	J uru san DMA = L ..		
	0 050	Asisten	Rerata_SKS	J uru s an_BMA- L		
	0.050	Cender	Jurusan SMA = IPA	Asal Sekolah	Asisten	
	0 050	Gender	Jurus an_sMA- IPA	As al_Sekolah	Rerata_3KS	
	0 100	Gender	Jurusan SMA = IPA	Asisten	Rerata SKS	
4	0.050	Gender	Asal_Sekolah	J uru s an_3MA- IPS	Rerata_3K3	
	0 100	Gender	Asal Sekolah	Asisten	Rerata SKS	

No. of Sets 55

Toa Ma ?za 5

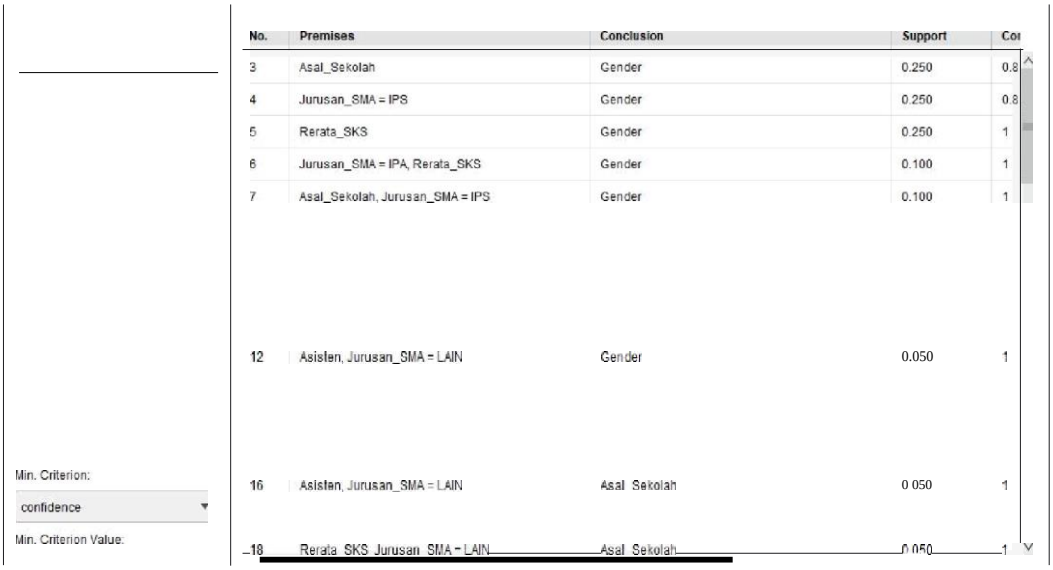
Min. Size: 1

Max. Size: 5

Contains Item:

Update View

Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
3	0 1 00	As al 8 e kol ah	Asisten	Rerata SKS		
3	0.050	Asal_Sekolah	Asisten	Jurusan_SMA = L.		
3	0 050	Asal_8ekolah	Rerata SKS	Jurusan SMA = L		
3	0.050	Asisten	Rerata SKS	Jurusan SMA = L.		
4	0.050	Gender	JMrusan_BMA = IPA	As al_Se ko l ah	Asisten	
4	0 050	Gender	J uru s an BMA = IPA	As at se ko l ah	Rerata PKG:	
4	0.100	Gender	Jurusan_SMA = IPA	Asisten	Rerata_SKS	
4	0 050	Gender	Asal_3ekolah	Jwusan_SMA-1°8	Reaa_8K8	
4	0.100	Gender	As al Beko l ah	Asisten	Rerata SKS	
4	0.050	Gender	Asa1_setolafi	Asisten	Jurusan_SMA = L..	
	0 050	Gender	Asal Sekolah	Rerata SKS	Jurusan SMA = L..	
	0.050	Gender	Asisten	Rerata_SKS	Jurusan_SMA = L..	
	0 050	Jurusan SMA = IPA	Asal_3ekolah	Asisten	Rerata_5KS	
	0.050	As al 8ekolah	Asisten	Rerata SKS	Jurusan SMA = L.	
	0.050	Gender	JMrusan_BMA = IPA	Asal_Sekolah	Asisten	Rerata_3KS
	0 050	Gender	Asal Sekolah	Asisten	Rerata BKB	Jurusan SMA = L



No.	Premises	Conclusion	Support	Co
3	Asal_Sekolah	Gender	0.250	0.8
4	Jurusan_SMA = IPS	Gender	0.250	0.8
5	Rerata_SKS	Gender	0.250	1
6	Jurusan_SMA = IPA, Rerata_SKS	Gender	0.100	1
7	Asal_Sekolah, Jurusan_SMA = IPS	Gender	0.100	1
12	Asisten, Jurusan_SMA = LAIN	Gender	0.050	1
16	Asisten, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1
18	Rerata_SKS, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1

Min. Criterion:

confidence

Min. Criterion Value:

	Support	Confdence	LaPlace	Gain	p-s	Lift	Convicti...
	0250	0.833	0.962	-0.350	0.025	1.111	9 500
	0250	0.833	0.962	-0.350	0.025	1.111	9 500
	0250	1	1	-0.250	0.062	1.333	
	0.100	1	1	-0.100	0.025	1333	
	0.100	1	1	-0.100	0.025	1333	
	0.150	1	1	-0.150	0.038	1.333	
	0.050	1	1	-0.050	0.012	1.333	
	0.100	1	1	-0.100	0.025	1.333	
	0.150	1	1	-0.150	0.038	1333	
	0.050	1	1	-0.050	0.012	1333	
	0.050	1	1	-0.050	0.012	1.333	
	0.100	1	1	-0.100	0.075	4	
	0.050	1	1	-0.050	0.038	4	
	0.050	1	1	-0.050	0.035	3.333	
	0.050	1	1	-0.050	0.038	4	
	0050	1	1	-0050	0035	3333	

Jurusan_SMA = LAIN

Rule 1 {0.200 / D.B00)

Rule 2 (0.200 / 0.80D)

Asisten

Rule 28 (0.050 / 1.000)

Asal Sekolah

Rule 19 (0.05F g u.

Rule 1

Rule 34 (0.050 / 1.D00)

[0.250 / 0.833)

jurusan SMA = IPA

Rule 26 (0.100 / 1.000)

uuie zJ i0.100 / 1.000)

Rule T (0.100 / 1.0D0)

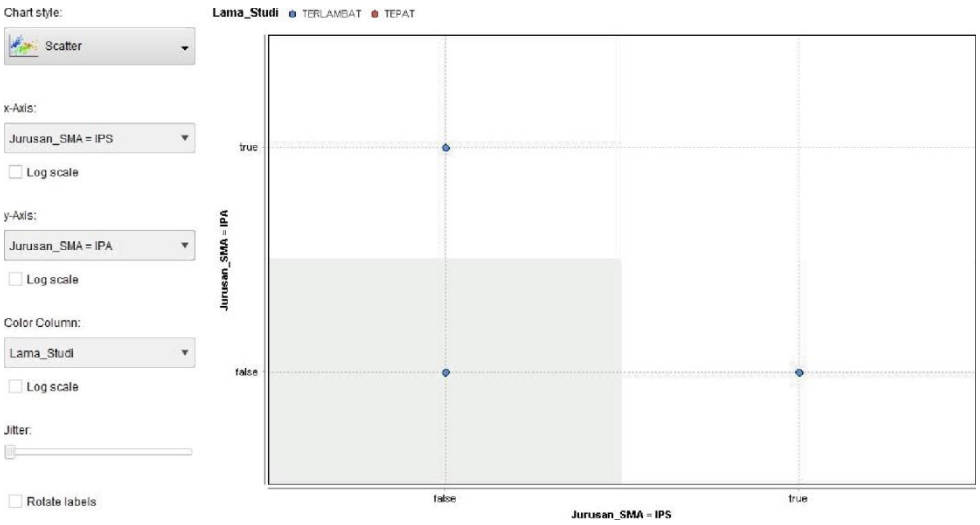
Rule 25 (0.05O / 1.000)

Rerata SKS

Rule 10 (0.100 / 1.D00)

jurusan SMA = IPS

Rule 6 (0.100 / 1.000)

Rule S I0.250 /1 .000)

Rule 4 (0.250 / 0.833}