NAMA : Windi Saputri

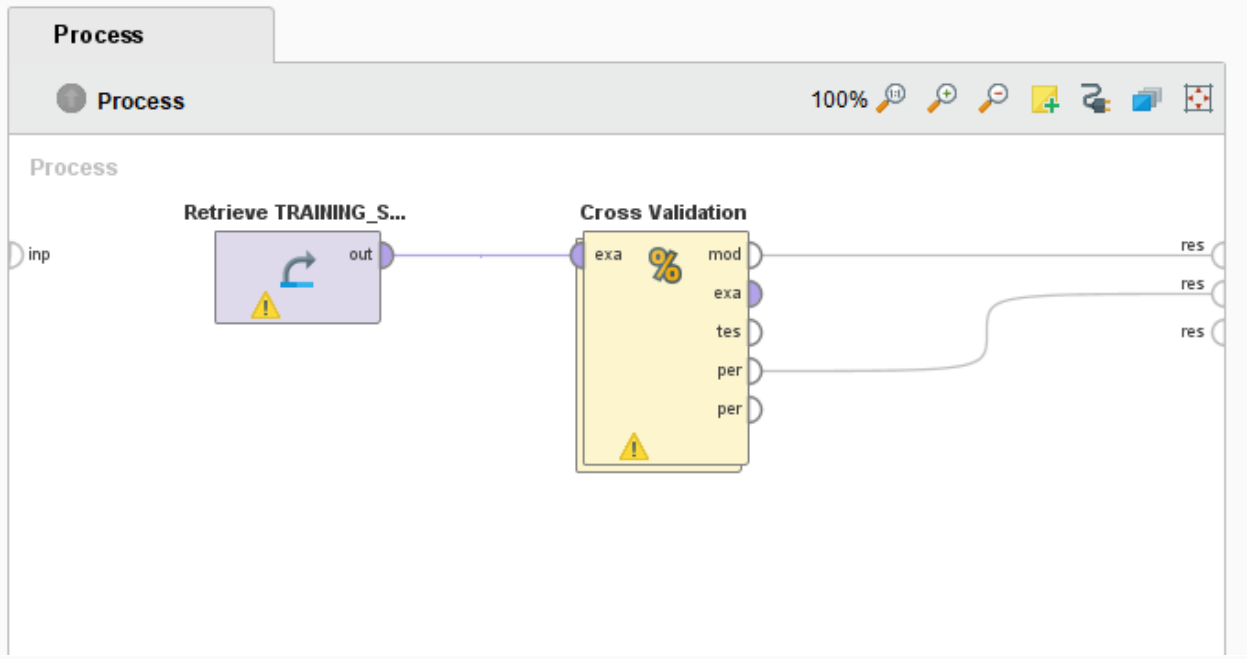
NIM : L200170115

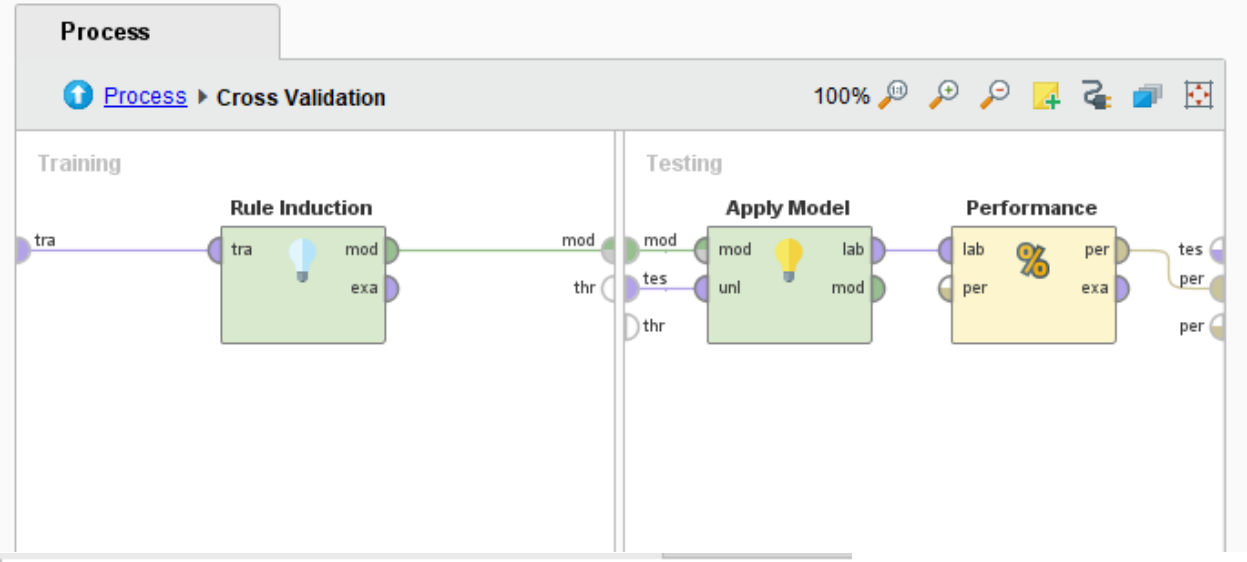
Kelas : E

TUGAS 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





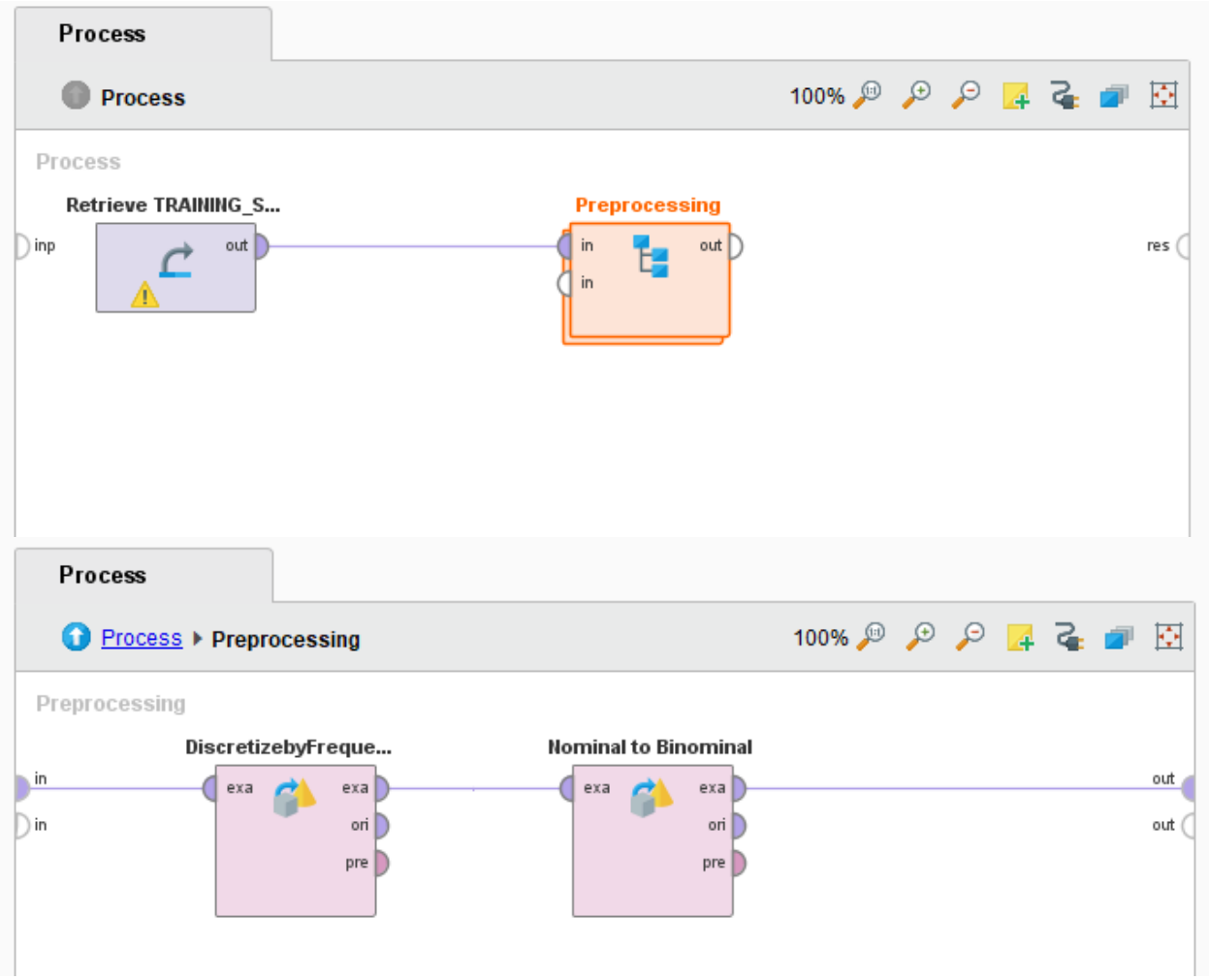
RuleModel

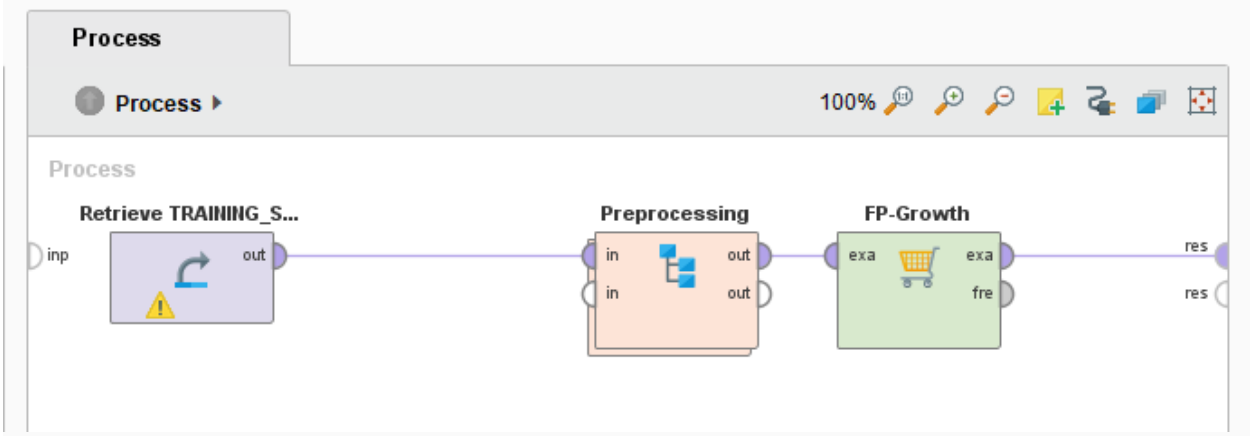
```
if Rerata_SKS > 18.500 then TEPAT   (2 / 10)
if Gender = PRIA then TERLAMBAT   (4 / 0)
if Jurusan_SMA = IPA then TEPAT   (0 / 2)
if Jurusan_SMA = IPS then TERLAMBAT   (1 / 0)
else TEPAT   (0 / 0)

correct: 17 out of 19 training examples.
```

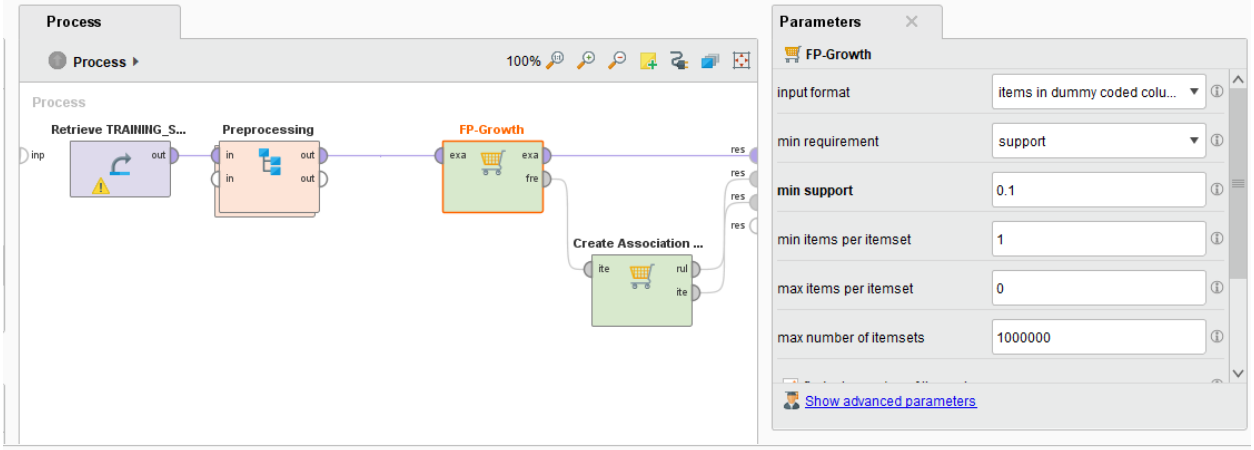
Table View Plot View

accuracy: 65.00% +/- 32.02% (micro average: 65.00%)

	true TERLAMBAT	true TEPAT	class precision
pred. TERLAMBAT	4	4	50.00%
pred. TEPAT	3	9	75.00%
class recall	57.14%	69.23%	







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

Data

Annotations

No. of Sets: 55

Total Max. Size: 5

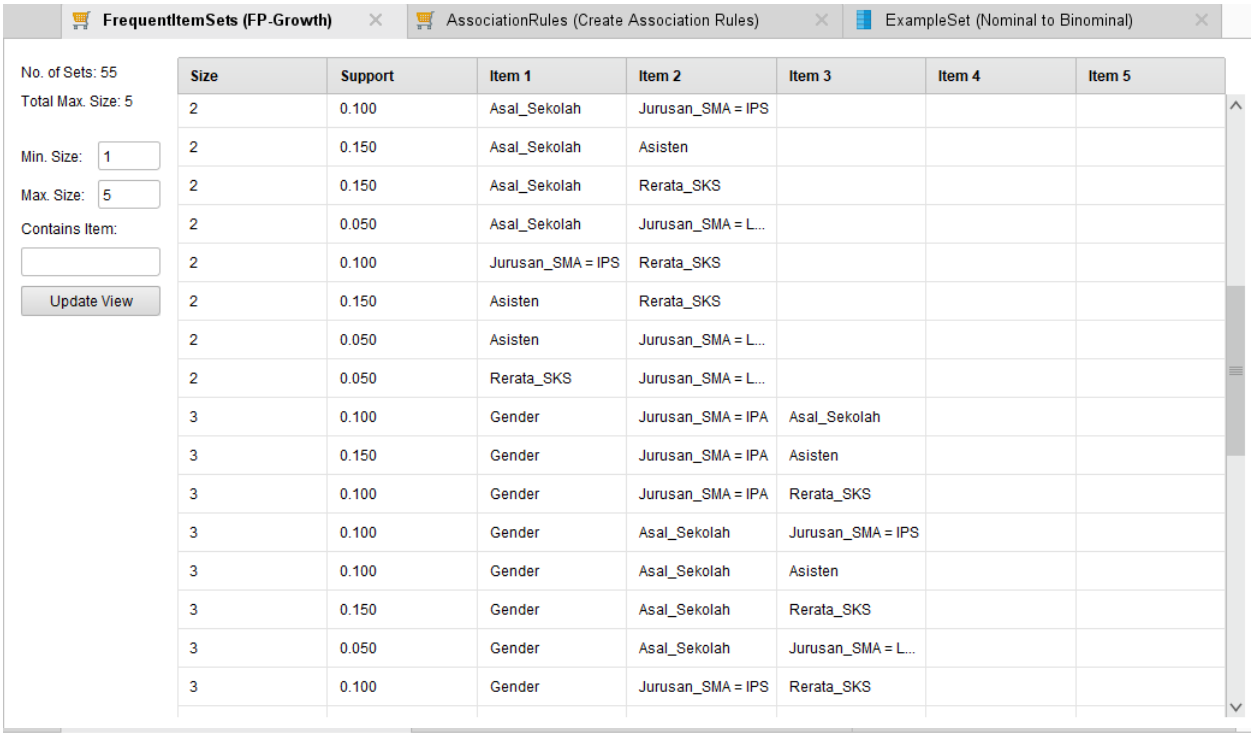
Min. Size: 1

Max. Size: 5

Contains Item:

Update View

Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
1	0.750	Gender				
1	0.500	Jurusan_SMA = IPA				
1	0.300	Asal_Sekolah				
1	0.300	Jurusan_SMA = IPS				
1	0.250	Asisten				
1	0.250	Rerata_SKS				
1	0.200	Jurusan_SMA = L...				
2	0.350	Gender	Jurusan_SMA = IPA			
2	0.250	Gender	Asal_Sekolah			
2	0.250	Gender	Jurusan_SMA = IPS			
2	0.200	Gender	Asisten			
2	0.250	Gender	Rerata_SKS			
2	0.150	Gender	Jurusan_SMA = L...			
2	0.150	Jurusan_SMA = IPA	Asal_Sekolah			
2	0.200	Jurusan_SMA = IPA	Asisten			
2	0.100	Jurusan_SMA = IPA	Rerata_SKS			



Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
2	0.100	Asal_Sekolah	Jurusan_SMA = IPS			
2	0.150	Asal_Sekolah	Asisten			
2	0.150	Asal_Sekolah	Rerata_SKS			
2	0.050	Asal_Sekolah	Jurusan_SMA = L...			
2	0.100	Jurusan_SMA = IPS	Rerata_SKS			
2	0.150	Asisten	Rerata_SKS			
2	0.050	Asisten	Jurusan_SMA = L...			
2	0.050	Rerata_SKS	Jurusan_SMA = L...			
3	0.100	Gender	Jurusan_SMA = IPA	Asal_Sekolah		
3	0.150	Gender	Jurusan_SMA = IPA	Asisten		
3	0.100	Gender	Jurusan_SMA = IPA	Rerata_SKS		
3	0.100	Gender	Asal_Sekolah	Jurusan_SMA = IPS		
3	0.100	Gender	Asal_Sekolah	Asisten		
3	0.150	Gender	Asal_Sekolah	Rerata_SKS		
3	0.050	Gender	Asal_Sekolah	Jurusan_SMA = L...		
3	0.100	Gender	Jurusan_SMA = IPS	Rerata_SKS		

No. of Sets: 55
Total Max. Size: 5
Min. Size: 1
Max. Size: 5
Contains Item:
Update View

Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
3	0.150	Gender	Asisten	Rerata_SKS		
3	0.050	Gender	Asisten	Jurusan_SMA = L...		
3	0.050	Gender	Rerata_SKS	Jurusan_SMA = L...		
3	0.100	Jurusan_SMA = IPA	Asal_Sekolah	Asisten		
3	0.050	Jurusan_SMA = IPA	Asal_Sekolah	Rerata_SKS		
3	0.100	Jurusan_SMA = IPA	Asisten	Rerata_SKS		
3	0.050	Asal_Sekolah	Jurusan_SMA = IPS	Rerata_SKS		
3	0.100	Asal_Sekolah	Asisten	Rerata_SKS		
3	0.050	Asal_Sekolah	Asisten	Jurusan_SMA = L...		
3	0.050	Asal_Sekolah	Rerata_SKS	Jurusan_SMA = L...		
3	0.050	Asisten	Rerata_SKS	Jurusan_SMA = L...		
4	0.050	Gender	Jurusan_SMA = IPA	Asal_Sekolah	Asisten	
4	0.050	Gender	Jurusan_SMA = IPA	Asal_Sekolah	Rerata_SKS	
4	0.100	Gender	Jurusan_SMA = IPA	Asisten	Rerata_SKS	
4	0.050	Gender	Asal_Sekolah	Jurusan_SMA = IPS	Rerata_SKS	
4	0.100	Gender	Asal_Sekolah	Asisten	Rerata_SKS	

No. of Sets: 55

Total Max. Size: 5

Min. Size: 1

Max. Size: 5

Contains Item:

Update View

Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
3	0.100	Asal_Sekolah	Asisten	Rerata_SKS		
3	0.050	Asal_Sekolah	Asisten	Jurusan_SMA = L...		
3	0.050	Asal_Sekolah	Rerata_SKS	Jurusan_SMA = L...		
3	0.050	Asisten	Rerata_SKS	Jurusan_SMA = L...		
4	0.050	Gender	Jurusan_SMA = IPA	Asal_Sekolah	Asisten	
4	0.050	Gender	Jurusan_SMA = IPA	Asal_Sekolah	Rerata_SKS	
4	0.100	Gender	Jurusan_SMA = IPA	Asisten	Rerata_SKS	
4	0.050	Gender	Asal_Sekolah	Jurusan_SMA = IPS	Rerata_SKS	
4	0.100	Gender	Asal_Sekolah	Asisten	Rerata_SKS	
4	0.050	Gender	Asal_Sekolah	Asisten	Jurusan_SMA = L...	
4	0.050	Gender	Asal_Sekolah	Rerata_SKS	Jurusan_SMA = L...	
4	0.050	Gender	Asisten	Rerata_SKS	Jurusan_SMA = L...	
4	0.050	Jurusan_SMA = IPA	Asal_Sekolah	Asisten	Rerata_SKS	
4	0.050	Asal_Sekolah	Asisten	Rerata_SKS	Jurusan_SMA = L...	
5	0.050	Gender	Jurusan_SMA = IPA	Asal_Sekolah	Asisten	Rerata_SKS
5	0.050	Gender	Asal_Sekolah	Asisten	Rerata_SKS	Jurusan_SMA = L...

Show rules matching

all of these conclusions:

Gender
Jurusan_SMA = IPA
Asal_Sekolah
Asisten
Rerata_SKS

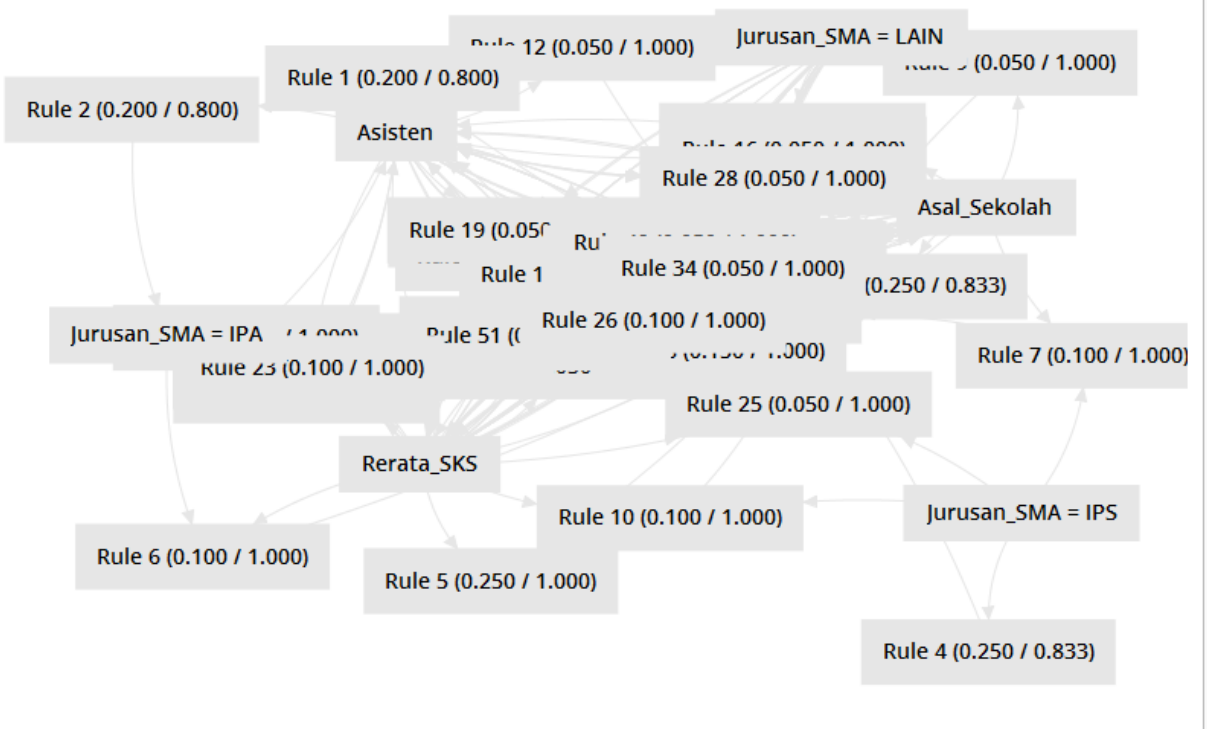
Min. Criterion:

confidence

Min. Criterion Value:

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
8	Asal_Sekolah, Rerata_SKS	Gender	0.150	1
9	Asal_Sekolah, Jurusan_SMA = LAIN	Gender	0.050	1
10	Jurusan_SMA = IPS, Rerata_SKS	Gender	0.100	1
11	Asisten, Rerata_SKS	Gender	0.150	1
12	Asisten, Jurusan_SMA = LAIN	Gender	0.050	1
13	Rerata_SKS, Jurusan_SMA = LAIN	Gender	0.050	1
14	Jurusan_SMA = IPA, Rerata_SKS	Asisten	0.100	1
15	Asal_Sekolah, Jurusan_SMA = LAIN	Asisten	0.050	1
16	Asisten, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1
17	Asal_Sekolah, Jurusan_SMA = LAIN	Rerata_SKS	0.050	1
18	Rerata_SKS, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1

	Support	Confidence	LaPlace	Gain	p-s	Lift	Convicti...
	0.250	0.833	0.962	-0.350	0.025	1.111	1.500
	0.250	0.833	0.962	-0.350	0.025	1.111	1.500
	0.250	1	1	-0.250	0.062	1.333	∞
	0.100	1	1	-0.100	0.025	1.333	∞
	0.100	1	1	-0.100	0.025	1.333	∞
	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	1.333	∞
	0.050	1	1	-0.050	0.012	1.333	∞
	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	∞
	0.050	1	1	-0.050	0.035	3.333	∞



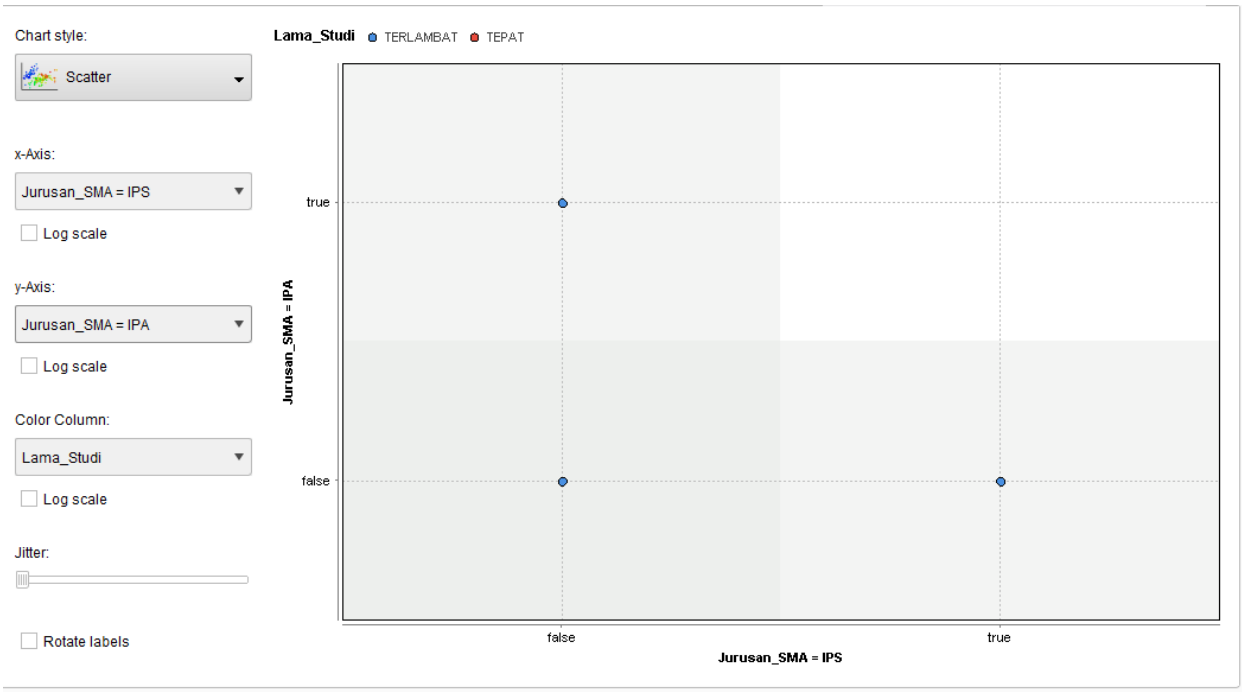


Chart style:
Scatter
x-Axis:
Jurusan_SMA = IPS
Log scale
y-Axis:
Jurusan_SMA = IPA
Log scale
Color Column:
Lama_Studi
Log scale
Jitter:
Rotate labels
Lama_Studi
TERLAMBAT
TEPAT
true
false
Jurusan_SMA = IPA
false
true
Jurusan_SMA = IPS