

Modul 11

11.4. Langkah-langkah Praktikum

Induksi Aturan Data Cuaca

Rule Model

RuleModel

```
if Kelembaban_udara ≤ 82.500 then YA (1 / 6)
if Cuaca = Cerah then TIDAK (3 / 0)
if Cuaca = Mendung then YA (0 / 2)
if Suhu ≤ 70.500 then YA (0 / 1)
else TIDAK (0 / 0)
```

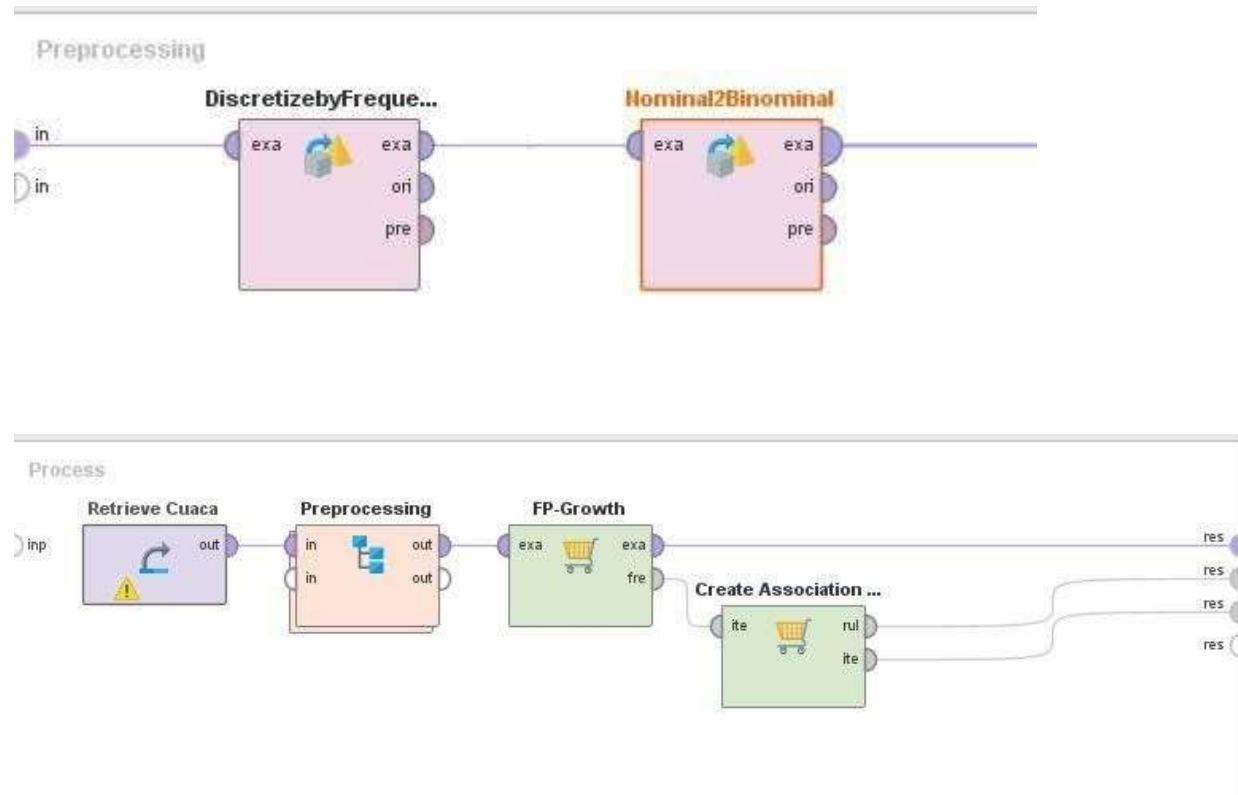
correct: 12 out of 13 training examples.

Vector

accuracy: 65.00% +/- 45.00% (micro average: 71.43%)

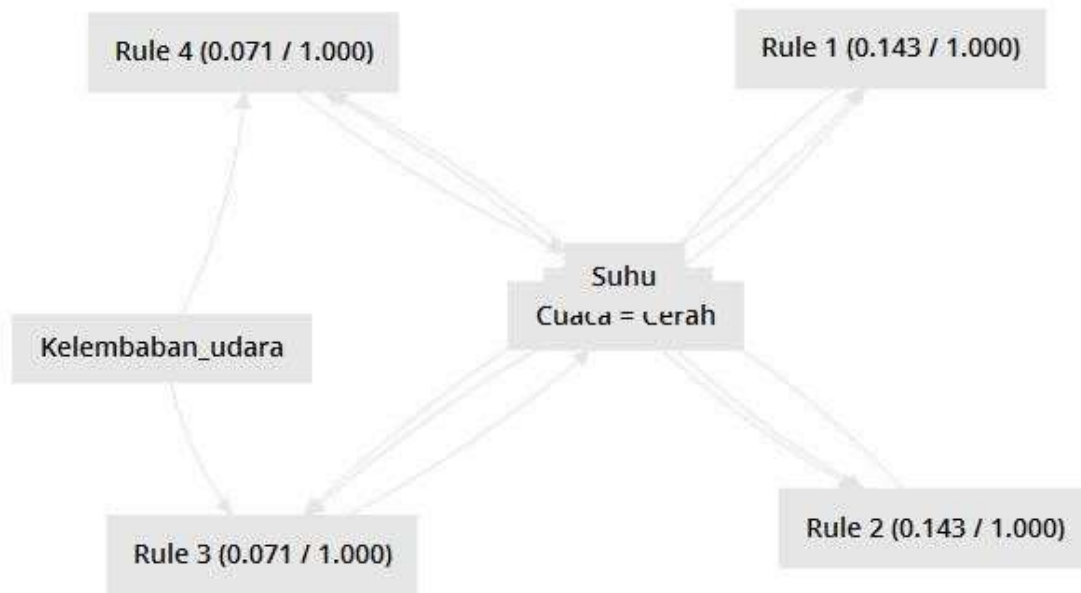
	true TIDAK	true YA	class precision
pred. TIDAK	2	1	66.67%
pred. YA	3	8	72.73%
class recall	40.00%	88.89%	

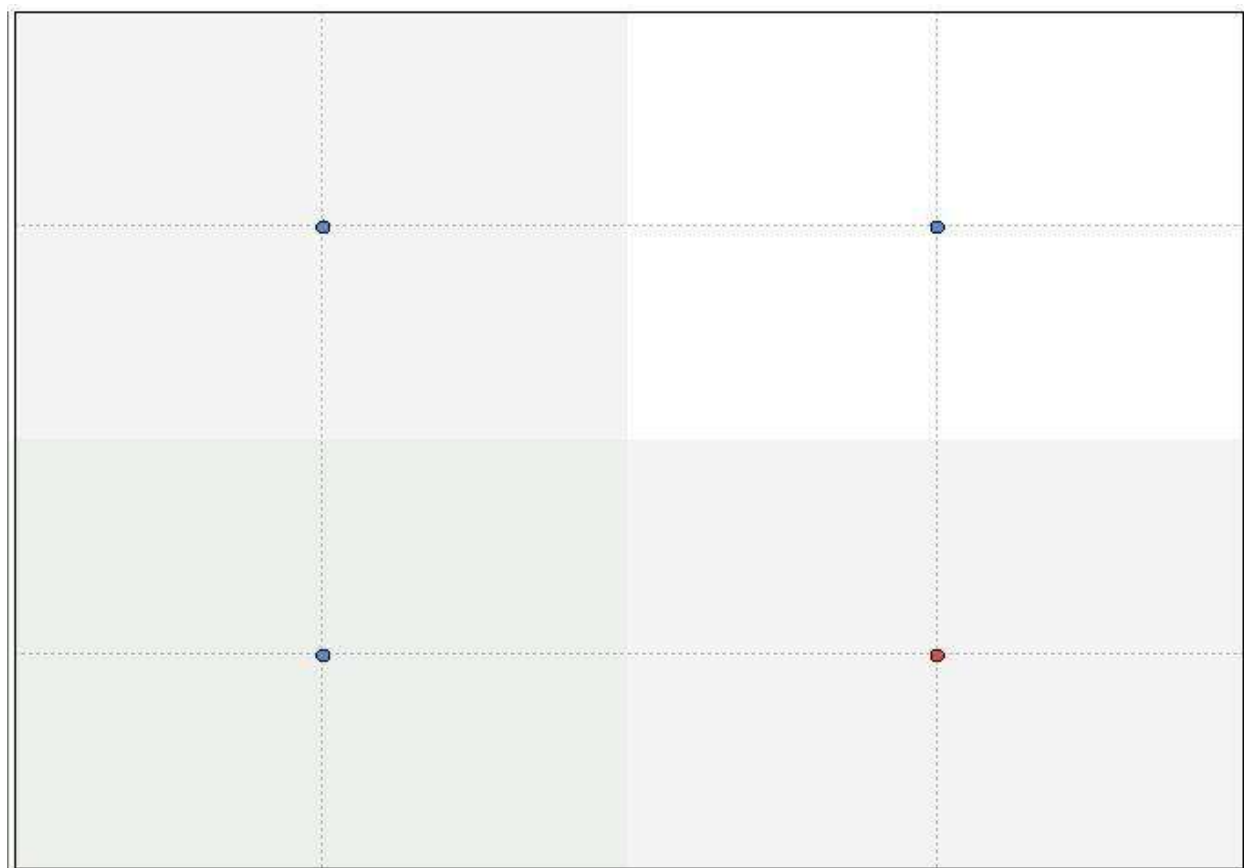
Aturan asosiasi Data cuaca



Size	Support	Item 1	Item 2	Item 3	Item 4
1	0.500	Kelembaban_udara			
1	0.429	Berangin			
1	0.429	Suhu			
1	0.357	Cuaca = Cerah			
1	0.357	Cuaca = Hujan			
1	0.286	Cuaca = Mendung			
2	0.214	Kelembaban_udara	Berangin		
2	0.214	Kelembaban_udara	Suhu		
2	0.214	Kelembaban_udara	Cuaca = Cerah		
2	0.143	Kelembaban_udara	Cuaca = Hujan		
2	0.143	Kelembaban_udara	Cuaca = Mendung		
2	0.143	Berangin	Suhu		
2	0.143	Berangin	Cuaca = Cerah		
2	0.143	Berangin	Cuaca = Hujan		
2	0.143	Berangin	Cuaca = Mendung		

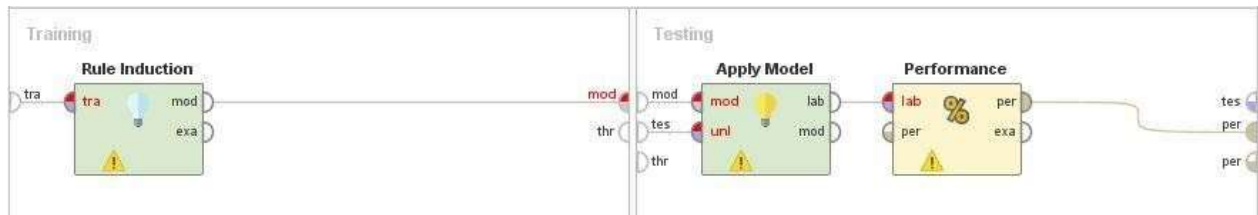
No.	Premises	Conclusion	Support	Confiden...	LaPla...	Gain	p-s	Lift	Convicti...
1	Berangin, Suhu	Cuaca = Cerah	0.143	1	1	-0.143	0.092	2.800	∞
2	Berangin, Cuaca = Cerah	Suhu	0.143	1	1	-0.143	0.082	2.333	∞
3	Kelembaban_udara, Bera...	Cuaca = Cerah	0.071	1	1	-0.071	0.046	2.800	∞
4	Kelembaban_udara, Bera...	Suhu	0.071	1	1	-0.071	0.041	2.333	∞





11.5. Tugas

1.)



Rule model

```
RuleModel

if Rerata_SKS ≤ 20.500 then TIDAK (15 / 2)
else YA (0 / 2)

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

Vector

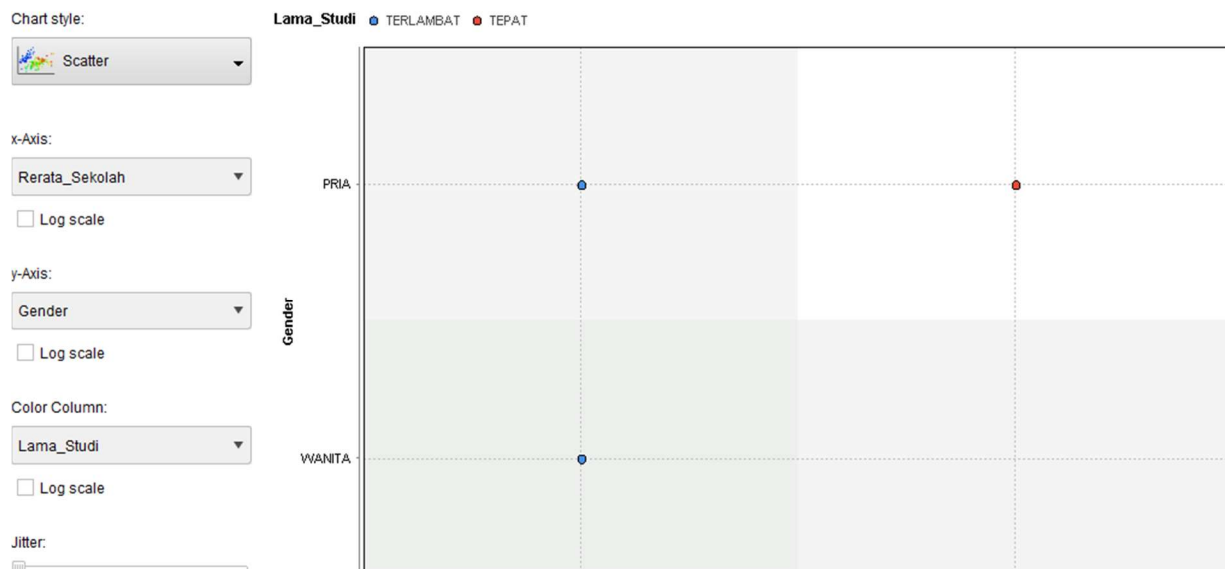
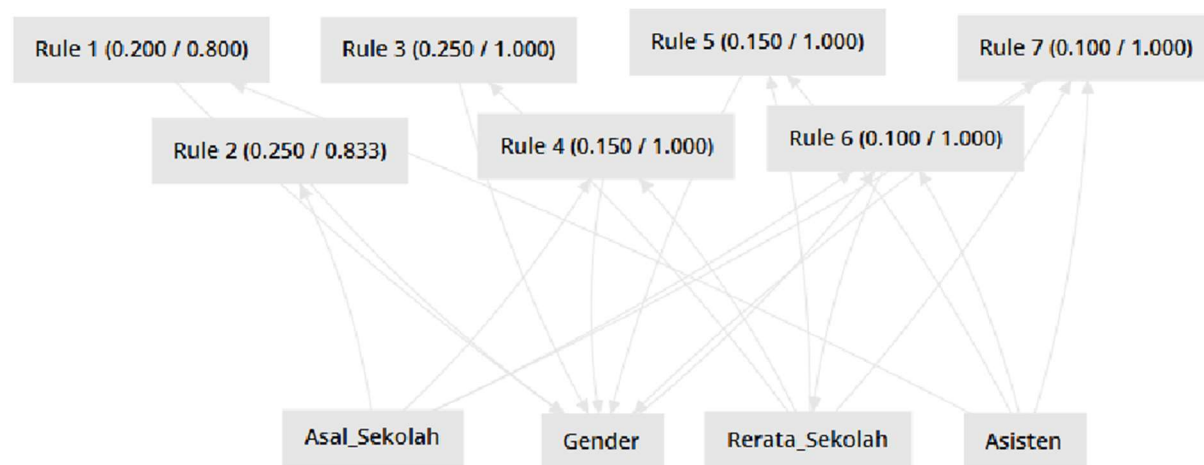
accuracy: 85.00% +/- 22.91% (micro average: 85.00%)

	true TIDAK	true YA	class precision
pred. TIDAK	15	3	83.33%
pred. YA	0	2	100.00%
class recall	100.00%	40.00%	

2.)

A. Number of bin 2

No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain	p-s	Lift	Convicti...
2	Asal_Sekolah	Gender	0.250	0.833	0.962	-0.350	0.025	1.111	1.500
3	Rerata_Sekolah	Gender	0.250	1	1	-0.250	0.062	1.333	∞
4	Asal_Sekolah, Rerata_Sekolah	Gender	0.150	1	1	-0.150	0.038	1.333	∞
5	Asisten, Rerata_Sekolah	Gender	0.150	1	1	-0.150	0.038	1.333	∞
6	Gender, Asal_Sekolah, Asisten	Rerata_Se...	0.100	1	1	-0.100	0.075	4	∞
7	Asal_Sekolah, Asisten, Rerata_...	Gender	0.100	1	1	-0.100	0.025	1.333	∞



B. Number of bin 3

No. of Sets: 7					
Total Max. Size: 3					
Min. Size: <input type="text" value="1"/>	1	0.750	Gender		
Max. Size: <input type="text" value="3"/>	1	0.300	Asal_Sekolah		
Contains Item:	1	0.250	Asisten		
<input type="text"/>	2	0.250	Gender	Asal_Sekolah	
<input type="button" value="Update View"/>	2	0.200	Gender	Asisten	
	2	0.150	Asal_Sekolah	Asisten	
	3	0.100	Gender	Asal_Sekolah	Asisten

No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain	p-s	Lift	Convicti...
2	Asal_Sekolah	Gender	0.250	0.833	0.962	-0.350	0.025	1.111	1.500

