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Modul 11
INDUKSI DAN ATURAN ASOSIASI
PRAKTIKUM DATA WAREHOUSING DAN DATA MINING

TUGAS PRAKTIKUM :

- Menggunakan data Pada **Tugas Modul 6 Soal No. 1**

Hasil praktikum :

INDUKSI DATA SEKOLAH

- Menurut RuleModel (Rule Induction)

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.

- Menurut Performance Vector(Performance)

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

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

Modul 11 **INDUKSI DAN ATURAN ASOSIASI** **PRAKTIKUM DATA WAREHOUSING DAN DATA MINING**

ATURAN ASOSIASI DATA CUACA (Number Of Bins = 2)

- Menurut FP-Growth(table 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 = LAIN				
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 = LAIN			
2	0.150	Jurusan_SMA = IPA	Asal_Sekolah			
2	0.200	Jurusan_SMA = IPA	Asisten			
2	0.100	Jurusan_SMA = IPA	Rerata_SKS			
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 = LAIN			
2	0.100	Jurusan_SMA = IPS	Rerata_SKS			
2	0.150	Asisten	Rerata_SKS			
2	0.050	Asisten	Jurusan_SMA = LAIN			
2	0.050	Rerata_SKS	Jurusan_SMA = LAIN			
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 = LAIN		
3	0.100	Gender	Jurusan_SMA = IPS	Rerata_SKS		
3	0.150	Gender	Asisten	Rerata_SKS		
3	0.050	Gender	Asisten	Jurusan_SMA = LAIN		
3	0.050	Gender	Rerata_SKS	Jurusan_SMA = LAIN		
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 = LAIN		
3	0.050	Asal_Sekolah	Rerata_SKS	Jurusan_SMA = LAIN		
3	0.050	Asisten	Rerata_SKS	Jurusan_SMA = LAIN		
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	

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4	0.100	Gender	Asal_Sekolah	Asisten	Rerata_SKS	
4	0.050	Gender	Asal_Sekolah	Asisten	Jurusan_SMA = LAIN	
4	0.050	Gender	Asal_Sekolah	Re Asisten	Jurusan_SMA = LAIN	
4	0.050	Gender	Asisten	Rerata_SKS	Jurusan_SMA = LAIN	
4	0.050	Jurusan_SMA = IPA	Asal_Sekolah	Asisten	Rerata_SKS	
4	0.050	Asal_Sekolah	Asisten	Rerata_SKS	Jurusan_SMA = LAIN	
5	0.050	Gender	Jurusan_SMA = IPA	Asal_Sekolah	Asisten	Rerata_SKS
5	0.050	Gender	Asal_Sekolah	Asisten	Rerata_SKS	Jurusan_SMA = LAIN

- Menurut Create Association Rule

○ Table View

No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain	p-s
3	Asal_Sekolah	Gender	0.250	0.833	0.962	-0.350	0.025
4	Jurusan_SMA = IPS	Gender	0.250	0.833	0.962	-0.350	0.025
5	Rerata_SKS	Gender	0.250	1	1	-0.250	0.062
6	Jurusan_SMA = IPA, Rerata_SKS	Gender	0.100	1	1	-0.100	0.025
7	Asal_Sekolah, Jurusan_SMA = IPS	Gender	0.100	1	1	-0.100	0.025
8	Asal_Sekolah, Rerata_SKS	Gender	0.150	1	1	-0.150	0.038
9	Asal_Sekolah, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0.050	0.012
10	Jurusan_SMA = IPS, Rerata_SKS	Gender	0.100	1	1	-0.100	0.025
11	Asisten, Rerata_SKS	Gender	0.150	1	1	-0.150	0.038
12	Asisten, Jurusan_SMA, Rerata_SKS	Gender	0.050	1	1	-0.050	0.012
13	Rerata_SKS, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0.050	0.012
14	Jurusan_SMA = IPA, Rerata_SKS	Asisten	0.100	1	1	-0.100	0.075
15	Asal_Sekolah, Jurusan_SMA = LAIN	Asisten	0.050	1	1	-0.050	0.038
16	Asisten, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1	1	-0.050	0.035
17	Asal_Sekolah, Jurusan_SMA = LAIN	Rerata_SKS	0.050	1	1	-0.050	0.038
18	Rerata_SKS, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1	1	-0.050	0.035
19	Asisten, Jurusan_SMA = LAIN	Rerata_SKS	0.050	1	1	-0.050	0.038
20	Rerata_SKS, Jurusan_SMA = LAIN	Asisten	0.050	1	1	-0.050	0.038
21	Jurusan_SMA = IPA, Asal_Sekolah, Rerata_SKS	Gender	0.050	1	1	-0.050	0.012

Modul 11 **INDUKSI DAN ATURAN ASOSIASI** **PRAKTIKUM DATA WAREHOUSING DAN DATA MINING**

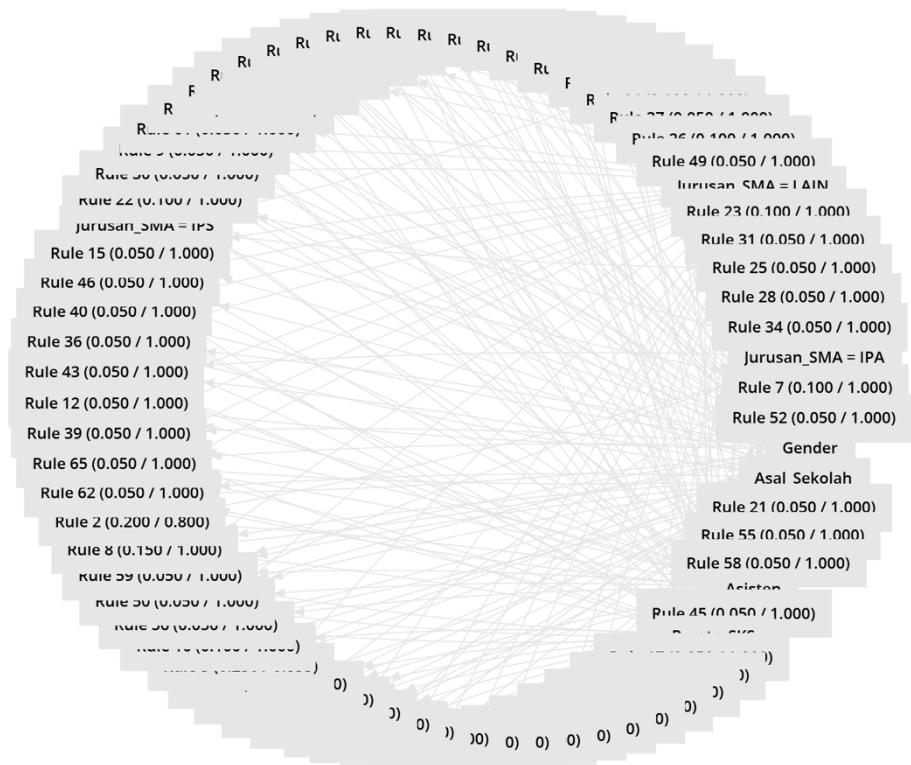
No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain	p-s
22	Jurusan_SMA = IPA, Rerata_SKS	Gender, Asisten	0.100	1	1	-0.100	0.080
23	Gender, Jurusan_SMA = IPA, Rerata_SKS	Asisten	0.100	1	1	-0.100	0.075
24	Jurusan_SMA = IPA, Asisten, Rerata_SKS	Gender	0.100	1	1	-0.100	0.025
25	Asal_Sekolah, Jurusan_SMA = IPS, Rerata_SKS	Gender	0.050	1	1	-0.050	0.012
26	Gender, Asal_Sekolah, Asisten	Rerata_SKS	0.100	1	1	-0.100	0.075
27	Asal_Sekolah, Asisten, Rerata_SKS	Gender	0.100	1	1	-0.100	0.025
28	Asal_Sekolah, Jurusan_SMA = LAIN	Gender, Asisten	0.050	1	1	-0.050	0.040
29	Gender, Asal_Sekolah, Jurusan_SMA = LAIN	Asisten	0.050	1	1	-0.050	0.038
30	Asisten, Jurusan_SMA = LAIN	Gender, Asal_Sekolah	0.050	1	1	-0.050	0.038
31	Gender, Asisten, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1	1	-0.050	0.035
32	Asal_Sekolah, Asisten, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0.050	0.012
33	Asal_Sekolah, Jurusan_SMA = LAIN	Gender, Rerata_SKS	0.050	1	1	-0.050	0.038
34	Gender, Asal_Sekolah, Jurusan_SMA = LAIN	Rerata_SKS	0.050	1	1	-0.050	0.038
35	Rerata_SKS, Jurusan_SMA = LAIN	Gender, Asal_Sekolah	0.050	1	1	-0.050	0.038
36	Gender, Rerata_SKS, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1	1	-0.050	0.035
37	Asal_Sekolah, Rerata_SKS, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0.050	0.012
38	Asisten, Jurusan_SMA = LAIN	Gender, Rerata_SKS	0.050	1	1	-0.050	0.038
39	Gender, Asisten, Jurusan_SMA = LAIN	Rerata_SKS	0.050	1	1	-0.050	0.038
40	Rerata_SKS, Jurusan_SMA = LAIN	Gender, Asisten, Jurusan_SMA = LAIN	0.050	1	1	-0.050	0.040
41	Gender, Rerata_SKS, Jurusan_SMA = LAIN	Asisten	0.050	1	1	-0.050	0.038
No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain	p-s
41	Gender, Rerata_SKS, Jurusan_SMA = LAIN	Asisten	0.050	1	1	-0.050	0.038
42	Asisten, Rerata_SKS, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0.050	0.012
43	Jurusan_SMA = IPA, Asal_Sekolah, Rerata_SKS	Asisten	0.050	1	1	-0.050	0.038
44	Asal_Sekolah, Jurusan_SMA = LAIN	Asisten, Rerata_SKS	0.050	1	1	-0.050	0.043
45	Asisten, Jurusan_SMA = LAIN	Asal_Sekolah, Rerata_SKS	0.050	1	1	-0.050	0.043
46	Asal_Sekolah, Asisten, Jurusan_SMA = LAIN	Rerata_SKS	0.050	1	1	-0.050	0.038
47	Rerata_SKS, Jurusan_SMA = LAIN	Asal_Sekolah, Asisten	0.050	1	1	-0.050	0.043
48	Asal_Sekolah, Rerata_SKS, Jurusan_SMA = LAIN	Asisten	0.050	1	1	-0.050	0.038
49	Asisten, Rerata_SKS, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1	1	-0.050	0.035
50	Gender, Jurusan_SMA = IPA, Asal_Sekolah, Asi...	Rerata_SKS	0.050	1	1	-0.050	0.038
51	Jurusan_SMA = IPA, Asal_Sekolah, Rerata_SKS	Gender, Asisten	0.050	1	1	-0.050	0.040
52	Gender, Jurusan_SMA = IPA, Asal_Sekolah, Rer...	Asisten	0.050	1	1	-0.050	0.038
53	Jurusan_SMA = IPA, Asal_Sekolah, Asisten, Rer...	Gender	0.050	1	1	-0.050	0.012
54	Asal_Sekolah, Jurusan_SMA = LAIN	Gender, Asisten, Rerata_SKS	0.050	1	1	-0.050	0.043
55	Gender, Asal_Sekolah, Jurusan_SMA = LAIN	Asisten, Rerata_SKS	0.050	1	1	-0.050	0.043
56	Asisten, Jurusan_SMA = LAIN	Gender, Asal_Sekolah, Rerata_SKS	0.050	1	1	-0.050	0.043
57	Gender, Asisten, Jurusan_SMA = LAIN	Asal_Sekolah, Rerata_SKS	0.050	1	1	-0.050	0.043
58	Asal_Sekolah, Asisten, Jurusan_SMA = LAIN	Gender, Rerata_SKS	0.050	1	1	-0.050	0.038
59	Gender, Asal_Sekolah, Asisten, Jurusan_SMA = ...	Rerata_SKS	0.050	1	1	-0.050	0.038
58	Asal_Sekolah, Asisten, Jurusan_SMA = LAIN	Gender, Rerata_SKS	0.050	1	1	-0.050	0.038
59	Gender, Asal_Sekolah, Asisten, Jurusan_SMA = ...	Rerata_SKS	0.050	1	1	-0.050	0.038
60	Rerata_SKS, Jurusan_SMA = LAIN	Gender, Asal_Sekolah, Asisten	0.050	1	1	-0.050	0.045
61	Gender, Rerata_SKS, Jurusan_SMA = LAIN	Asal_Sekolah, Asisten	0.050	1	1	-0.050	0.043
62	Asal_Sekolah, Rerata_SKS, Jurusan_SMA = LAIN	Gender, Asisten	0.050	1	1	-0.050	0.040
63	Gender, Asal_Sekolah, Rerata_SKS, Jurusan_SM...	Asisten	0.050	1	1	-0.050	0.038
64	Asisten, Rerata_SKS, Jurusan_SMA = LAIN	Gender, Asal_Sekolah, Rerata_SKS, Jurusan_SMA = LAIN	0.050	1	1	-0.050	0.038
65	Gender, Asisten, Rerata_SKS, Jurusan_SMA = L...	Asal_Sekolah	0.050	1	1	-0.050	0.035
66	Asal_Sekolah, Asisten, Rerata_SKS, Jurusan_SM...	Gender	0.050	1	1	-0.050	0.012

Modul 11

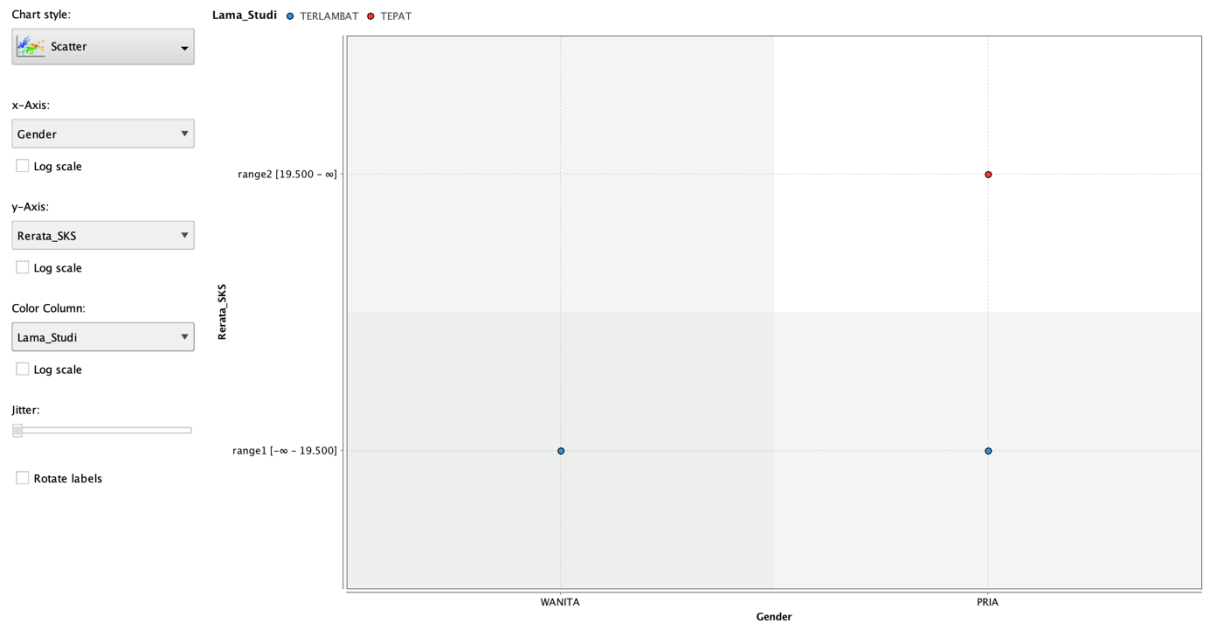
INDUKSI DAN ATURAN ASOSIASI

PRAKTIKUM DATA WAREHOUSING DAN DATA MINING

○ Graph view



- Menurut ExampleSet



Modul 11
INDUKSI DAN ATURAN ASOSIASI
PRAKTIKUM DATA WAREHOUSING DAN DATA MINING
ATURAN ASOSIASI DATA CUACA (Number Of Bins = 3)
 - **FP-GROWTH (TableView)**

Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
1	0.750	Gender				
1	0.500	Jurusan_SMA = IPA				
1	0.400	Rerata_SKS = range...				
1	0.350	Rerata_SKS = range...				
1	0.300	Asal_Sekolah				
1	0.300	Jurusan_SMA = IPS				
1	0.250	Asisten				
1	0.250	Rerata_SKS = range...				
1	0.200	Jurusan_SMA = LAIN				
2	0.350	Gender	Jurusan_SMA = IPA			
2	0.200	Gender	Rerata_SKS = range...			
2	0.300	Gender	Rerata_SKS = range...			
2	0.250	Gender	Asal_Sekolah			
2	0.250	Gender	Jurusan_SMA = IPS			
2	0.200	Gender	Asisten			
2	0.250	Gender	Rerata_SKS = range...			
Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
2	0.150	Gender	Jurusan_SMA = LAIN			
2	0.200	Jurusan_SMA = IPA	Rerata_SKS = range...			
2	0.200	Jurusan_SMA = IPA	Rerata_SKS = range...			
2	0.150	Jurusan_SMA = IPA	Asal_Sekolah			
2	0.200	Jurusan_SMA = IPA	Asisten			
2	0.100	Jurusan_SMA = IPA	Rerata_SKS = range...			
2	0.150	Rerata_SKS = range...	Asal_Sekolah			
2	0.100	Rerata_SKS = range...	Jurusan_SMA = IPS			
2	0.050	Rerata_SKS = range...	Asisten			
2	0.100	Rerata_SKS = range...	Jurusan_SMA = LAIN			
2	0.100	Rerata_SKS = range...	Jurusan_SMA = IPS			
2	0.050	Rerata_SKS = range...	Asisten			
2	0.050	Rerata_SKS = range...	Jurusan_SMA = LAIN			
2	0.100	Asal_Sekolah	Jurusan_SMA = IPS			
2	0.150	Asal_Sekolah	Asisten			
2	0.150	Asal_Sekolah	Rerata_SKS = range...			

Modul 11 **INDUKSI DAN ATURAN ASOSIASI** **PRAKTIKUM DATA WAREHOUSING DAN DATA MINING**

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

Modul 11 **INDUKSI DAN ATURAN ASOSIASI** **PRAKTIKUM DATA WAREHOUSING DAN DATA MINING**

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

- Menurut Association Rules

○ Table View

No.	Premises	Conclusion	Support	Confidence	LaPlace
3	Asal_Sekolah	Gender	0.250	0.833	0.962
4	Jurusan_SMA = IPS	Gender	0.250	0.833	0.962
5	Rerata_SKS = range2 [18.500 - 19.500]	Gender	0.300	0.857	0.963
6	Rerata_SKS = range3 [19.500 - ∞]	Gender	0.250	1	1
7	Jurusan_SMA = IPA, Rerata_SKS = range3 [19....	Gender	0.100	1	1
8	Rerata_SKS = range2 [18.500 - 19.500], Juru...	Gender	0.100	1	1
9	Rerata_SKS = range2 [18.500 - 19.500], Asis...	Gender	0.050	1	1
10	Rerata_SKS = range2 [18.500 - 19.500], Juru...	Gender	0.050	1	1
11	Asal_Sekolah, Jurusan_SMA = IPS	Gender	0.100	1	1
12	Asal_Sekolah, Rerata_SKS = range3 [19.500 - ...	Gender	0.150	1	1
13	Asal_Sekolah, Jurusan_SMA = LAIN	Gender	0.050	1	1
14	Jurusan_SMA = IPS, Rerata_SKS = range3 [19....	Gender	0.100	1	1
15	Asisten, Rerata_SKS = range3 [19.500 - ∞]	Gender	0.150	1	1
16	Asisten, Jurusan_SMA = LAIN	Gender	0.050	1	1
17	Rerata_SKS = range3 [19.500 - ∞], Jurusan_S...	Gender	0.050	1	1

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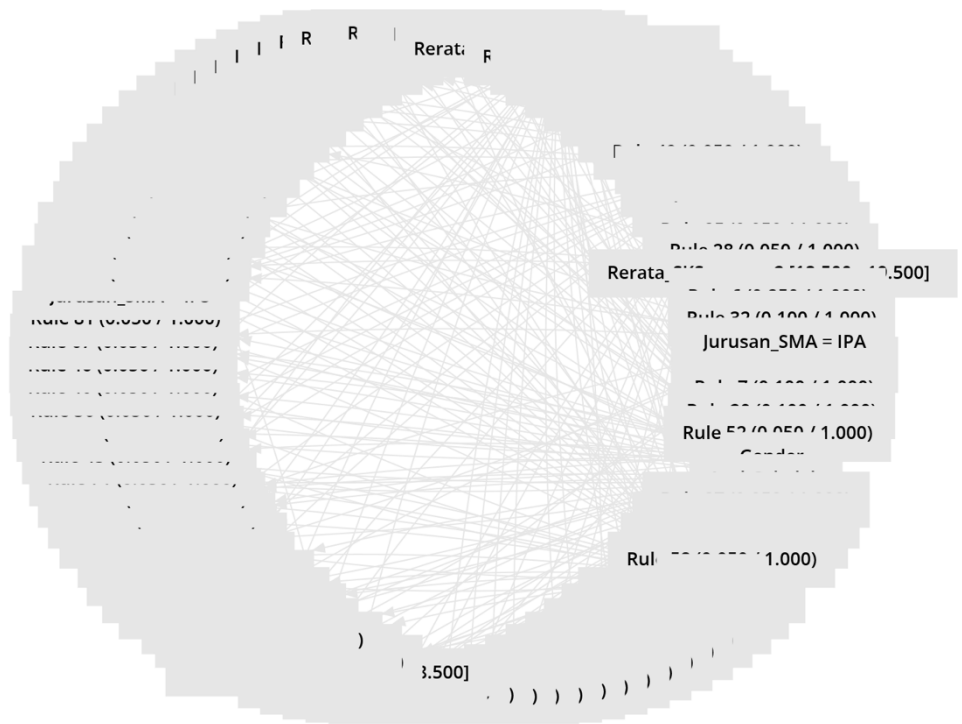
18	Rerata_SKS = range1 [$-\infty$ - 18.500], Asisten	Jurusan_SMA = IPA	0.050	1	1
19	Rerata_SKS = range2 [18.500 - 19.500], Asis...	Jurusan_SMA = IPA	0.050	1	1
20	Jurusan_SMA = IPA, Rerata_SKS = range3 [19....	Asisten	0.100	1	1
21	Rerata_Asisten, Jurusan_SMA = LAIN, Asisten	Asal_Sekolah	0.050	1	1
22	Asal_Sekolah, Jurusan_SMA = LAIN	Asisten	0.050	1	1
23	Asisten, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1	1
24	Asal_Sekolah, Jurusan_SMA = LAIN	Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1
25	Rerata_SKS = range3 [19.500 - ∞], Jurusan_S...	Asal_Sekolah	0.050	1	1
26	Asisten, Jurusan_SMA = LAIN	Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1
27	Rerata_SKS = range3 [19.500 - ∞], Jurusan_S...	Asisten	0.050	1	1
28	Rerata_SKS = range2 [18.500 - 19.500], Asis...	Gender, Jurusan_SMA = IPA	0.050	1	1
29	Gender, Rerata_SKS = range2 [18.500 - 19.5...	Jurusan_SMA = IPA	0.050	1	1
30	Jurusan_SMA = IPA, Rerata_SKS = range2 [18....	Gender	0.050	1	1
31	Jurusan_SMA = IPA, Asal_Sekolah, Rerata_SKS ...	Gender	0.050	1	1
32	Jurusan_SMA = IPA, Rerata_SKS = range3 [19....	Gender, Asisten	0.100	1	1
33	Gender, Jurusan_SMA = IPA, Rerata_SKS = ran...	Asisten	0.100	1	1
34	Jurusan_SMA = IPA, Asisten, Rerata_SKS = ran... Jurusan_SMA = IPA, Asal_Sekolah, Rerata_SKS = range3 [19.500 - ∞]	Gender	0.100	1	1
35	Gender, Rerata_SKS = range1 [$-\infty$ - 18.500], ...	Asal_Sekolah	0.050	1	1
36	Rerata_SKS = range1 [$-\infty$ - 18.500], Asal_Sek...	Gender	0.050	1	1
37	Asal_Sekolah, Jurusan_SMA = IPS, Rerata_SKS ...	Gender	0.050	1	1
38	Gender, Asal_Sekolah, Asisten	Rerata_SKS = range3 [19.500 - ∞]	0.100	1	1
39	Asal_Sekolah, Asisten, Rerata_SKS = range3 [1...	Gender	0.100	1	1
40	Asal_Sekolah, Jurusan_SMA = LAIN	Gender, Asisten	0.050	1	1
41	Gender, Asal_Sekolah, Jurusan_SMA = LAIN	Asisten	0.050	1	1
42	Asisten, Jurusan_SMA = LAIN	Gender, Asal_Sekolah	0.050	1	1
43	Gender, Asisten, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1	1
44	Asal_Sekolah, Asisten, Jurusan_SMA = LAIN	Gender	0.050	1	1
45	Asal_Sekolah, Jurusan_SMA = LAIN	Gender, Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1
46	Gender, Asal_Sekolah, Jurusan_SMA = LAIN	Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1
47	Rerata_SKS = range3 [19.500 - ∞], Jurusan_S...	Gender, Asal_Sekolah	0.050	1	1

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48	Gender, Rerata_SKS = range3 [19.500 – ∞], J...	Asal_Sekolah	0.050	1	1
49	Asal_Sekolah, Rerata_SKS = range3 [19.500 – ...	Gender	0.050	1	1
50	Asisten, Jurusan_SMA = LAIN	Gender, Rerata_SKS = range3 [19.500 – ∞]	0.050	1	1
51	Gender, Asisten, Jurusan_SMA = LAIN	Rerata_SKS = range3 [19.500 – ∞]	0.050	1	1
52	Rerata_SKS = range3 [19.500 – ∞], Jurusan_S...	Gender, Asisten	0.050	1	1
53	Gender, Rerata_SKS = range3 [19.500 – ∞], J...	Asisten	0.050	1	1
54	Asisten, Rerata_SKS = range3 [19.500 – ∞], J...	Gender	0.050	1	1
55	Rerata_SKS = range1 [–∞ – 18.500], Asisten	Jurusan_SMA = IPA, Asal_Sekolah	0.050	1	1
56	Jurusan_SMA = IPA, Rerata_SKS = range1 [–∞ ...	Asal_Sekolah	0.050	1	1
57	Rerata_SKS = range1 [–∞ – 18.500], Asal_Sek...	Jurusan_SMA = IPA	0.050	1	1
58	Jurusan_SMA = IPA, Asal_Sekolah, Rerata_SKS ...	Asisten	0.050	1	1
59	Asal_Sekolah, Jurusan_SMA = LAIN	Asisten, Rerata_SKS = range3 [19.500 – ∞]	0.050	1	1
60	Asisten, Jurusan_SMA = LAIN	Asal_Sekolah, Rerata_SKS = range3 [19.500 – ...	0.050	1	1
61	Asal_Sekolah, Asisten, Jurusan_SMA = LAIN	Rerata_SKS = range3 [19.500 – ∞]	0.050	1	1
62	Rerata_SKS = range3 [19.500 – ∞], Jurusan_S...	Asal_Sekolah, Asisten	0.050	1	1
62	Rerata_SKS = range3 [19.500 – ∞], Jurusan_S...	Asal_Sekolah, Asisten	0.050	1	1
63	Asal_Sekolah, Rerata_SKS = range3 [19.500 – ...	Asisten	0.050	1	1
64	Asisten, Rerata_SKS = range3 [19.500 – ∞], J...	Asal_Sekolah	0.050	1	1
65	Gender, Jurusan_SMA = IPA, Asal_Sekolah, Asi...	Rerata_SKS = range3 [19.500 – ∞]	0.050	1	1
66	Jurusan_SMA = IPA, Asal_Sekolah, Rerata_SKS ...	Gender, Asisten	0.050	1	1
67	Gender, Jurusan_SMA = IPA, Asal_Sekolah, Rer...	Asisten	0.050	1	1
68	Jurusan_SMA = IPA, Asal_Sekolah, Asisten, Rer...	Gender	0.050	1	1
69	Asal_Sekolah, Jurusan_SMA = LAIN	Gender, Asisten, Rerata_SKS = range3 [19.50...	0.050	1	1
70	Gender, Asal_Sekolah, Jurusan_SMA = LAIN	Asisten, Rerata_SKS = range3 [19.500 – ∞]	0.050	1	1
71	Asisten, Jurusan_SMA = LAIN	Gender, Asal_Sekolah, Rerata_SKS = range3 [1...	0.050	1	1
72	Gender, Asisten, Jurusan_SMA = LAIN	Asal_Sekolah, Rerata_SKS = range3 [19.500 – ...	0.050	1	1
73	Asal_Sekolah, Asisten, Jurusan_SMA = LAIN	Gender, Rerata_SKS = range3 [19.500 – ∞]	0.050	1	1
74	Gender, Asal_Sekolah, Asisten, Jurusan_SMA =...	Rerata_SKS = range3 [19.500 – ∞]	0.050	1	1
75	Rerata_SKS = range3 [19.500 – ∞], Jurusan_S...	Gender, Asal_Sekolah, Asisten	0.050	1	1
76	Gender, Rerata_SKS = range3 [19.500 – ∞], J...	Asal_Sekolah, Asisten	0.050	1	1
77	Asal_Sekolah, Rerata_SKS = range3 [19.500 – ...	Gender, Asisten	0.050	1	1
78	Gender, Asal_Sekolah, Rerata_SKS = range3 [1...	Asisten	0.050	1	1
79	Asisten, Rerata_SKS = range3 [19.500 – ∞], J...	Gender, Asal_Sekolah	0.050	1	1
80	Gender, Asisten, Rerata_SKS = range3 [19.50...	Asal_Sekolah	0.050	1	1
81	Asal_Sekolah, Asisten, Rerata_SKS = range3 [1...	Gender	0.050 Asal_Sekolah	1	1

Modul 11 INDUKSI DAN ATURAN ASOSIASI PRAKTIKUM DATA WAREHOUSING DAN DATA MINING

○ Graph View



- ExampleSet NominalToBinominal

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