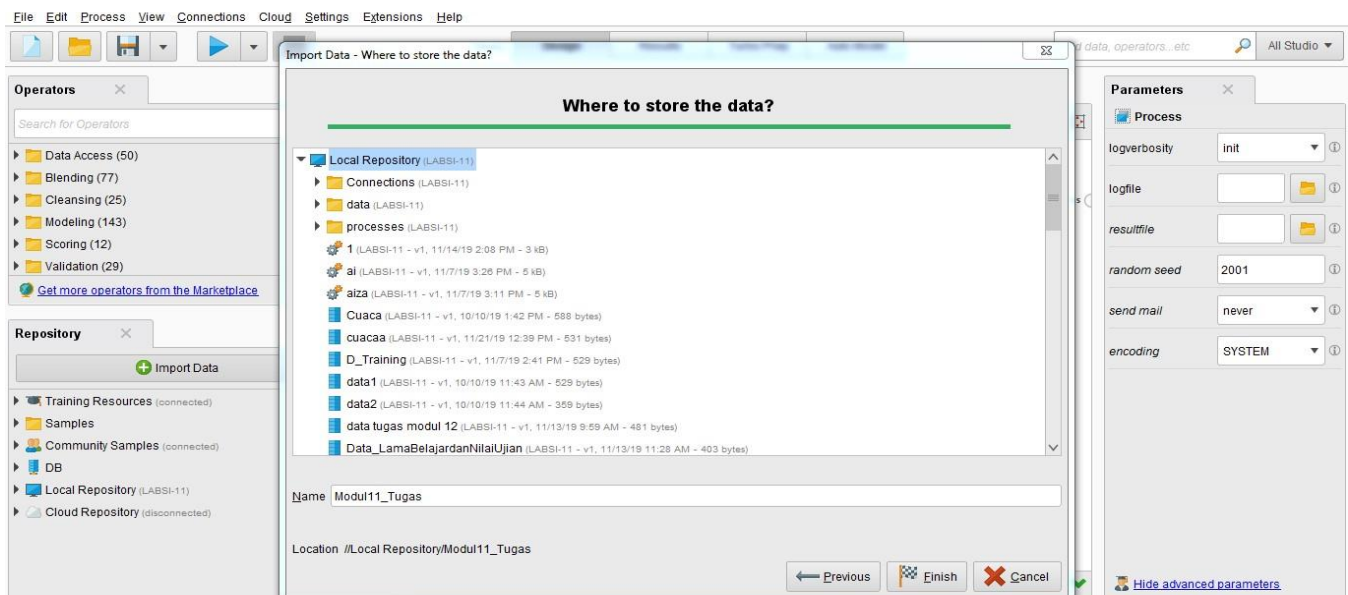
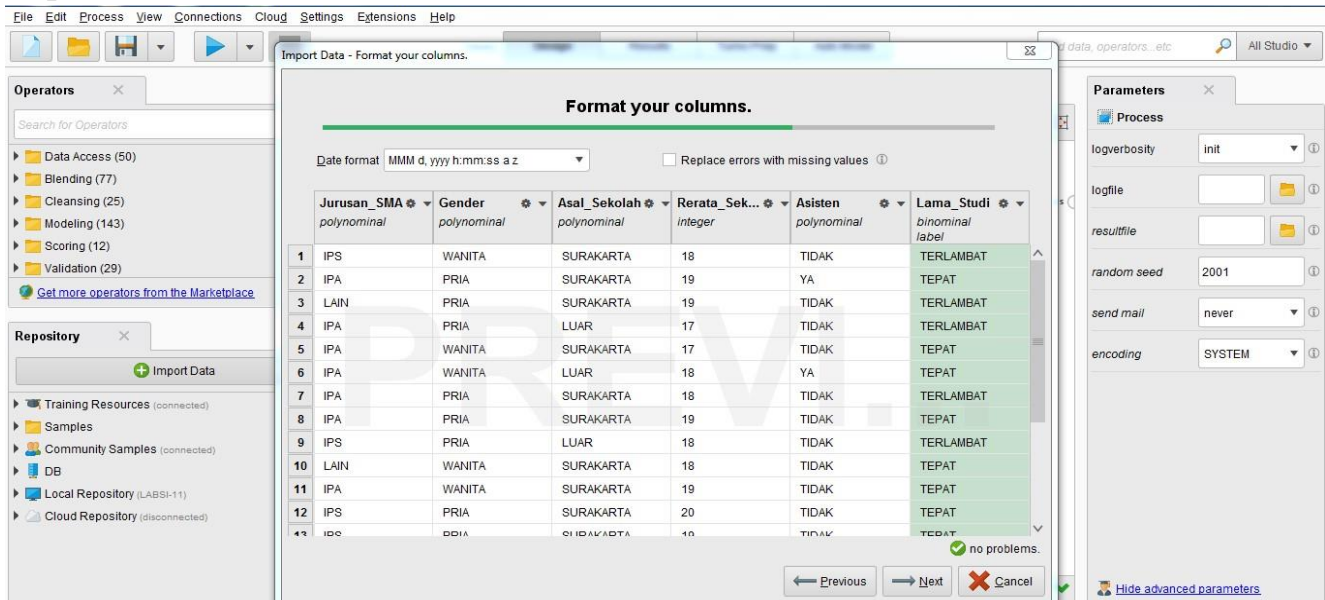


Nama : Muhammad Khoiruddin

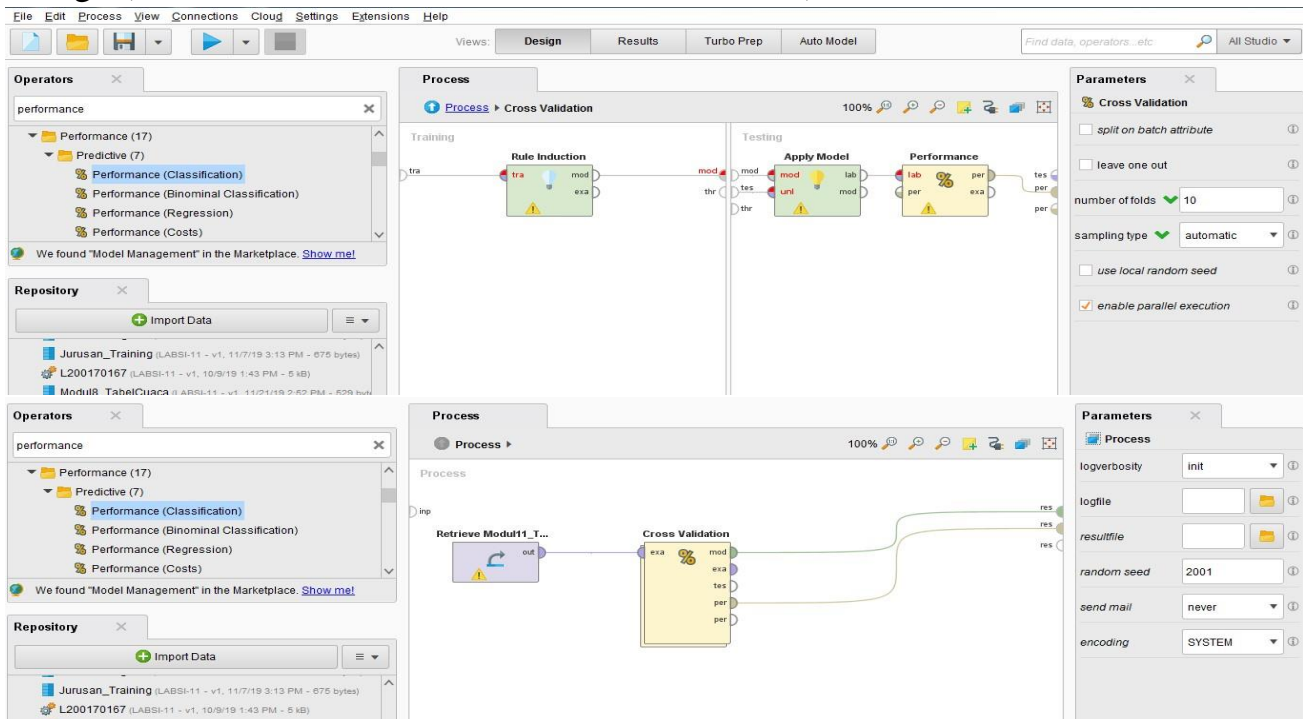
NIM : L200170104

Tugas Modul 11

- Import file



- Design (Induction Rule dan nilai Performance Vector)



- Hasilnya

- Induction Rule

Result History: PerformanceVector (Performance) | RuleModel (Rule Induction) | ExampleSet (//Local Repository/Modul11_Tugas)

RuleModel

Description

```

if Rerata_Sekolah > 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)

```

Annotations

correct: 17 out of 19 training examples.

- Performance Vector

Result History: PerformanceVector (Performance) | RuleModel (Rule Induction) | ExampleSet (//Local Repository/Modul11_Tugas)

Criterion: accuracy

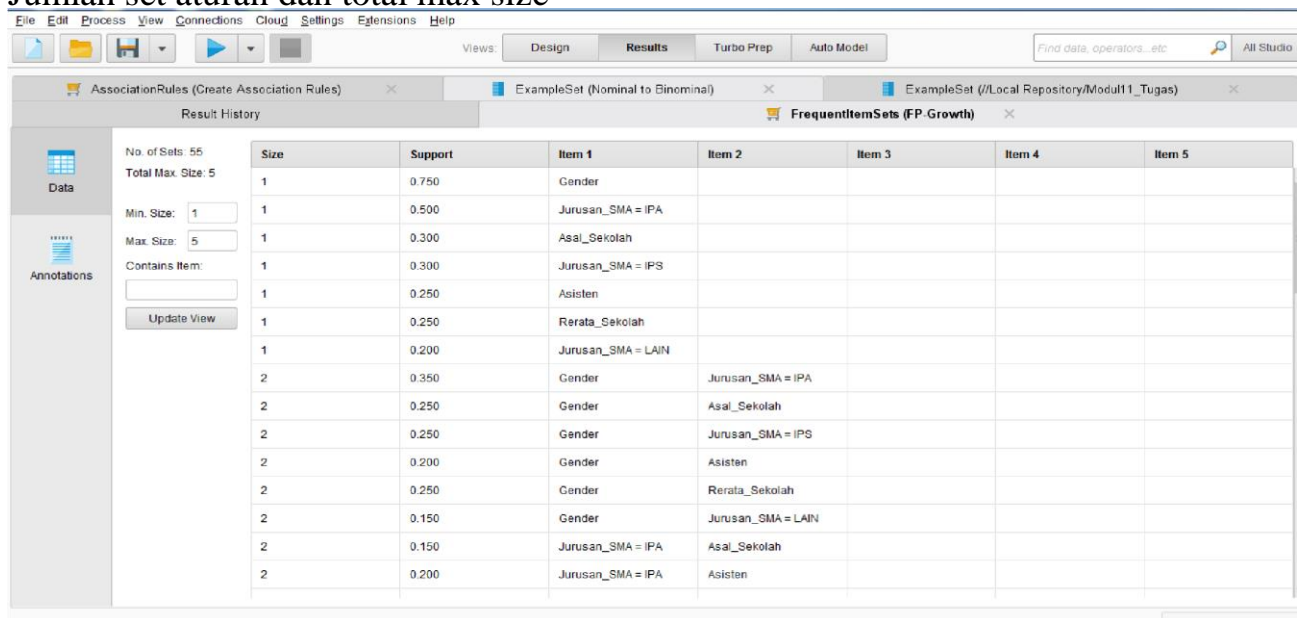
Table View | Plot View

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

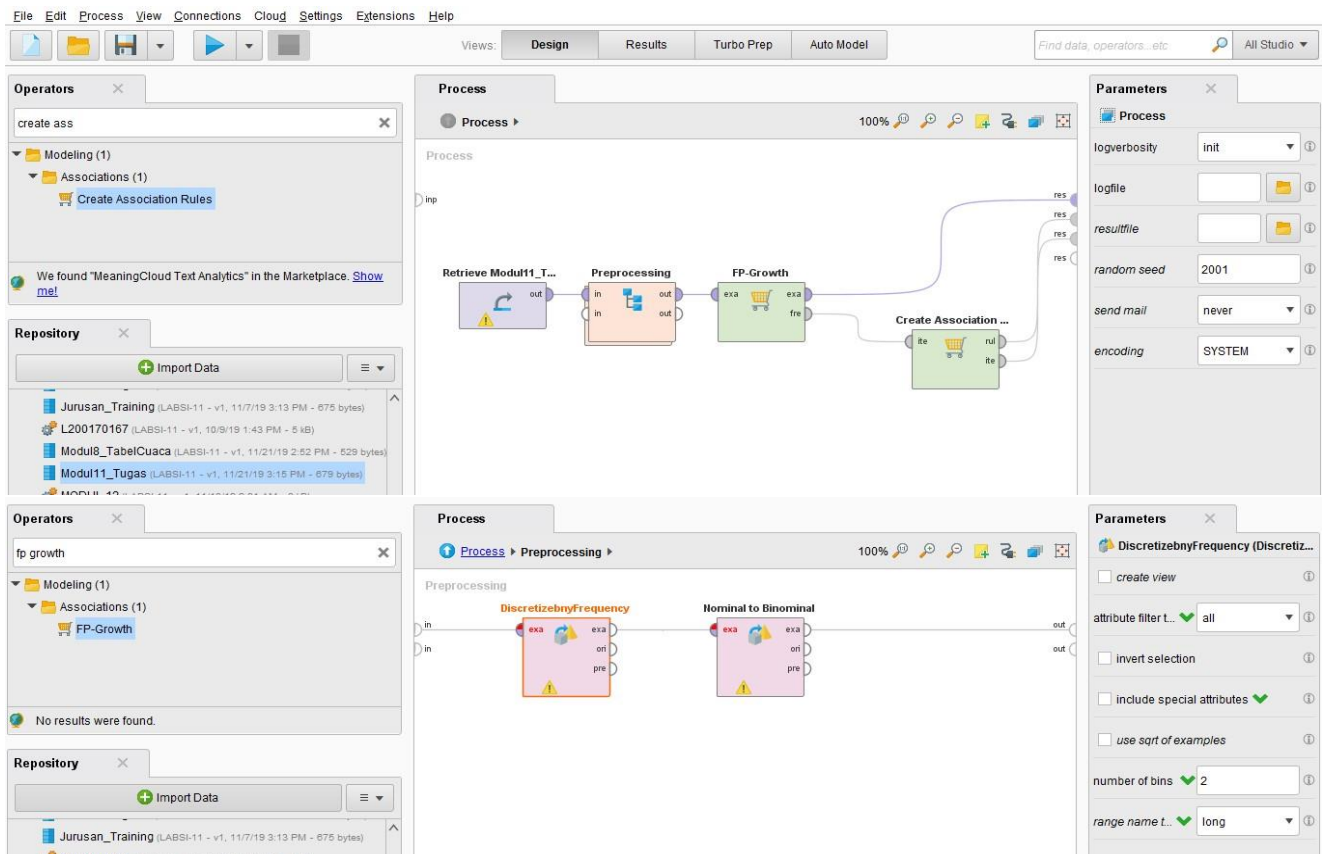
	true TERLAMBAT	true TEPAT	class precision
pred. TERLAMBAT	4	4	50.00%
pred. TEPAT	3	9	75.00%
class recall	57.14%	69.23%	

- Dengan Data Training yang sama , dengan ketentuan Discretize by Frequency: 1. number of bins = 2

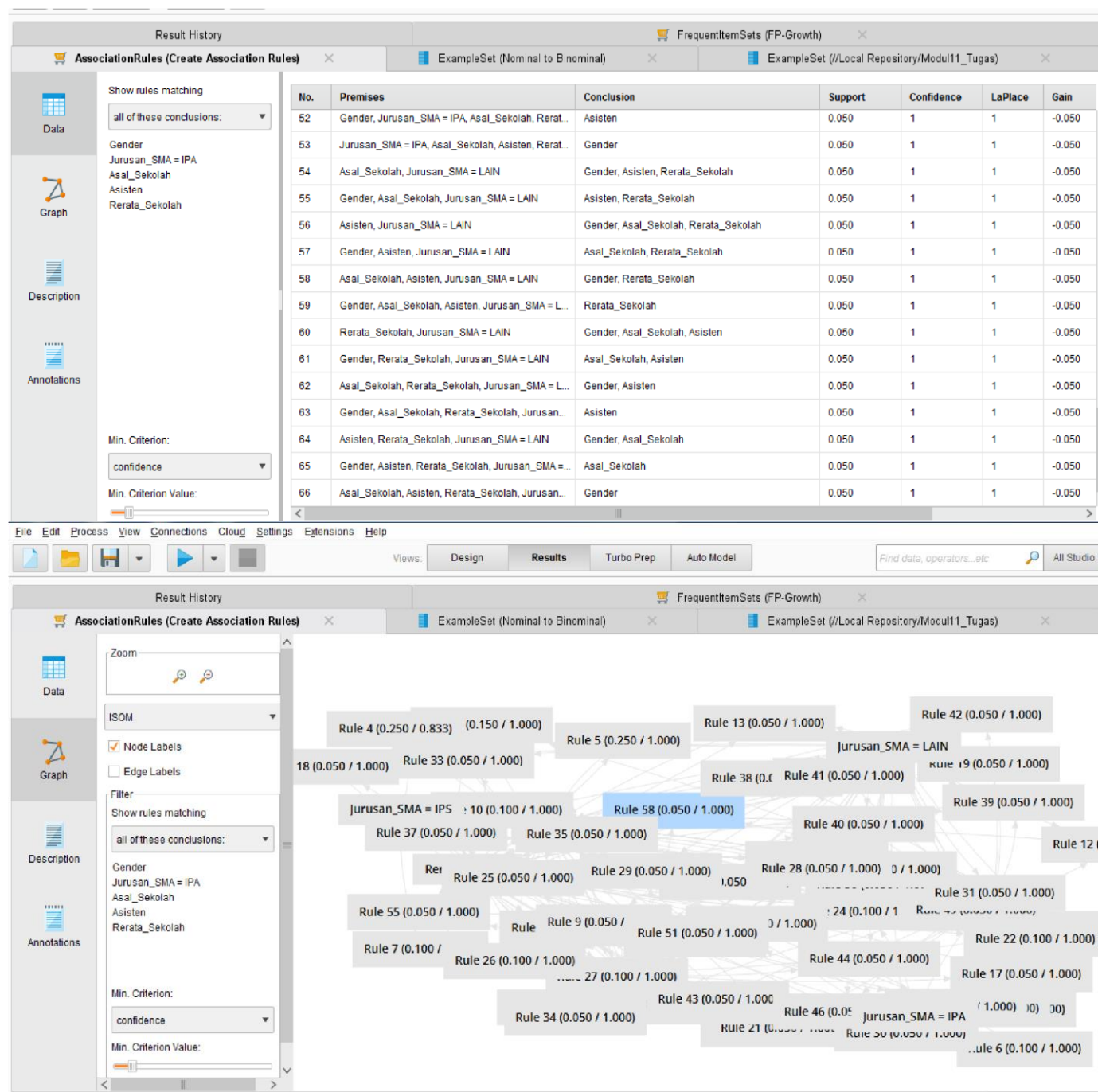
Jumlah set aturan dan total max size



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_Sekolah				
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_Sekolah			
2	0.150	Gender	Jurusan_SMA = LAIN			
2	0.150	Jurusan_SMA = IPA	Asal_Sekolah			
2	0.200	Jurusan_SMA = IPA	Asisten			

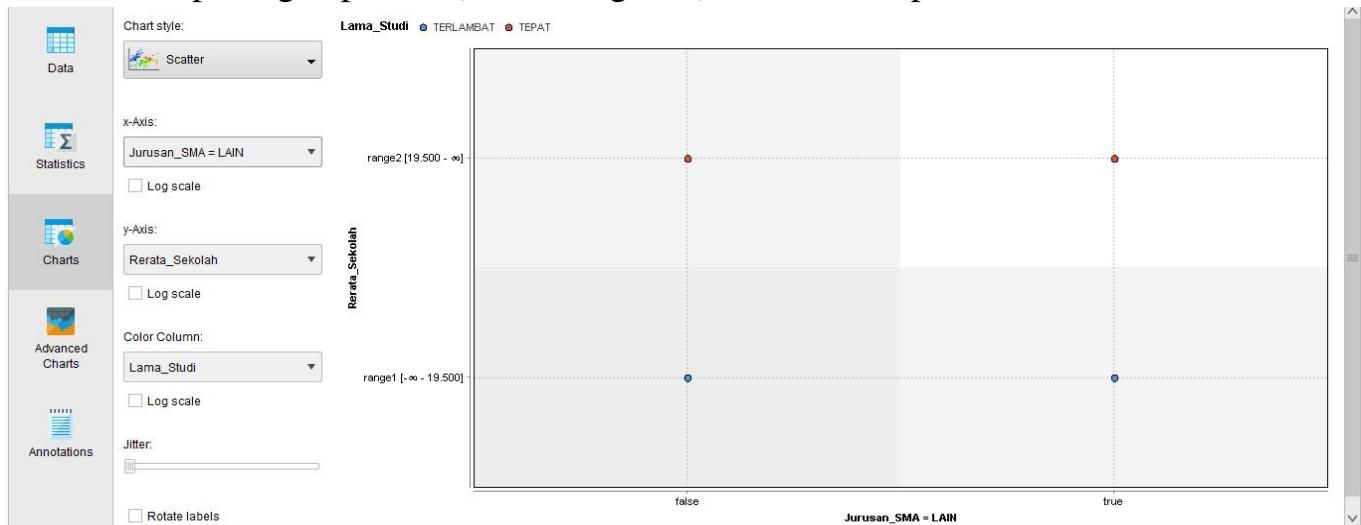


2. Hasilnya

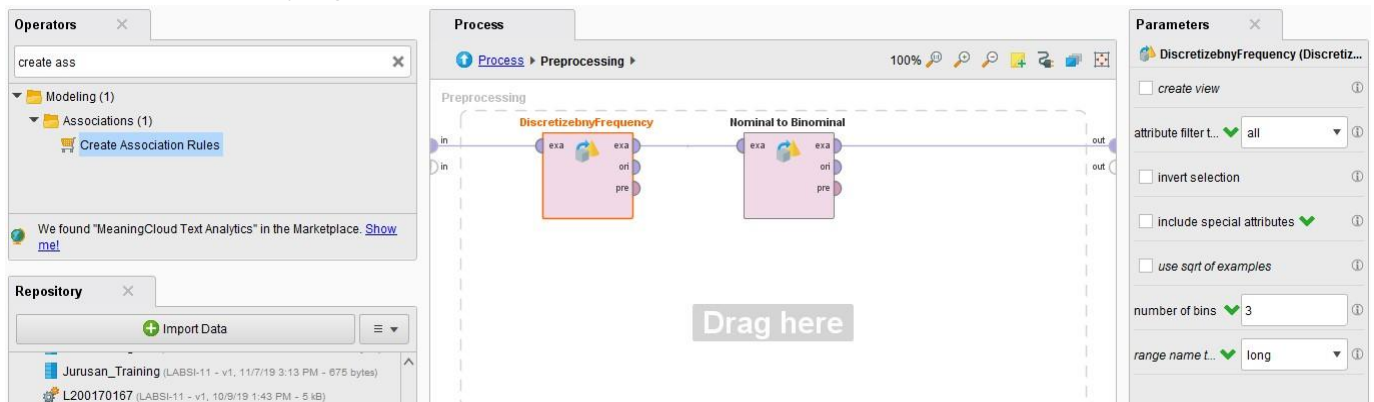




Jumlah data pasangan premis (table dan grafik) Grafik chart pola distribusi



- Dengan data training yang sama, dengan ketentuan Discretize by Frequency: 1. number of bins selain 2 (saya gunakan 3)



2. Hasilnya



Jumlah set aturan dan total max size

Result History

FrequentItemSets (FP-Growth)

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_Sekolah = rang...				
1	0.350	Rerata_Sekolah = rang...				
1	0.300	Asal_Sekolah				
1	0.300	Jurusan_SMA = IPS				
1	0.250	Asisten				
1	0.250	Rerata_Sekolah = rang...				

File Edit Process View Connections Cloud Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Find data, operators...etc All Studio

Result History

AssociationRules (Create Association Rules) ExampleSet (Nominal to Binominal) ExampleSet (/Local Repository/Modul11_Tugas)

Show rules matching

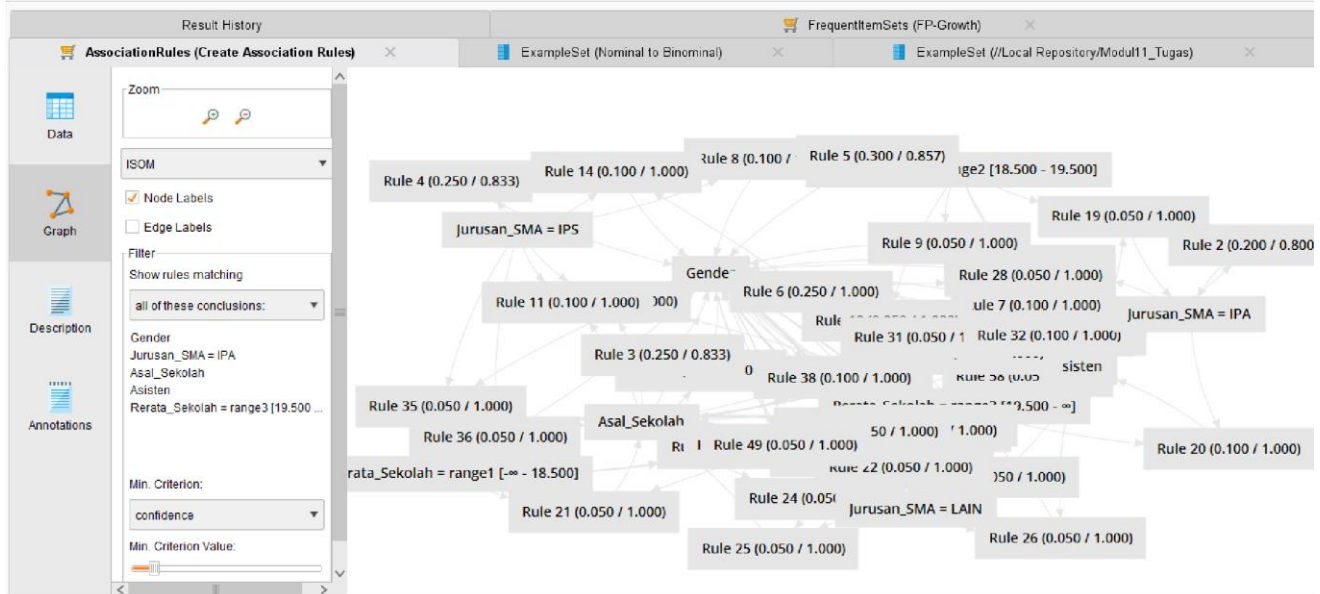
all of these conclusions:

Gender
Jurusan_SMA = IPA
Asal_Sekolah
Asisten
Rerata_Sekolah = range3 [19.500 ...

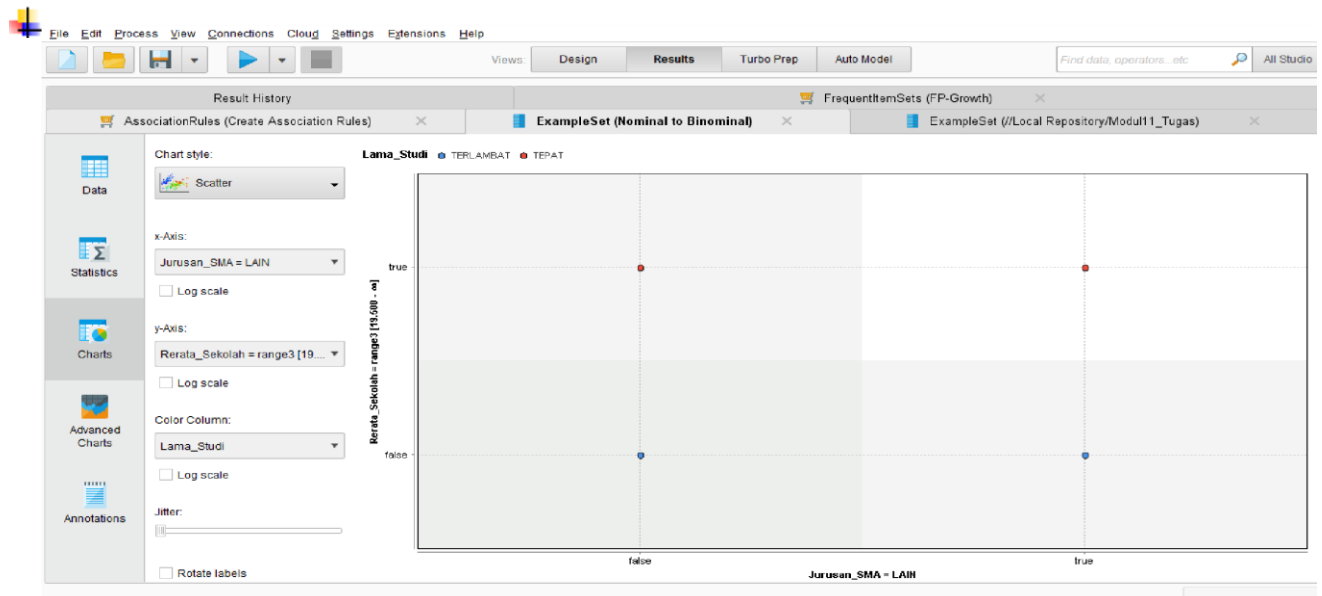
Min. Criterion:
confidence

Min. Criterion Value:

No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain
67	Gender, Jurusan_SMA = IPA, Asal_Sekolah, Rerat...	Asisten	0.050	1	1	-0.050
68	Jurusan_SMA = IPA, Asal_Sekolah, Asisten, Rerat...	Gender	0.050	1	1	-0.050
69	Asal_Sekolah, Jurusan_SMA = LAIN	Gender, Asisten, Rerata_Sekolah = range3 [19.50...	0.050	1	1	-0.050
70	Gender, Asal_Sekolah, Jurusan_SMA = LAIN	Asisten, Rerata_Sekolah = range3 [19.500 - ∞]	0.050	1	1	-0.050
71	Asisten, Jurusan_SMA = LAIN	Gender, Asal_Sekolah, Rerata_Sekolah = range3...	0.050	1	1	-0.050
72	Gender, Asisten, Jurusan_SMA = LAIN	Asal_Sekolah, Rerata_Sekolah = range3 [19.500 - ...	0.050	1	1	-0.050
73	Asal_Sekolah, Asisten, Jurusan_SMA = LAIN	Gender, Rerata_Sekolah = range3 [19.500 - ∞]	0.050	1	1	-0.050
74	Gender, Asal_Sekolah, Asisten, Jurusan_SMA = L...	Rerata_Sekolah = range3 [19.500 - ∞]	0.050	1	1	-0.050
75	Rerata_Sekolah = range3 [19.500 - ∞], Jurusan_S...	Gender, Asal_Sekolah, Asisten	0.050	1	1	-0.050
76	Gender, Rerata_Sekolah = range3 [19.500 - ∞], Ju...	Asal_Sekolah, Asisten	0.050	1	1	-0.050
77	Asal_Sekolah, Rerata_Sekolah = range3 [19.500 - ...	Gender, Asisten	0.050	1	1	-0.050
78	Gender, Asal_Sekolah, Rerata_Sekolah = range3 ...	Asisten	0.050	1	1	-0.050
79	Asisten, Rerata_Sekolah = range3 [19.500 - ∞], Ju...	Gender, Asal_Sekolah	0.050	1	1	-0.050
80	Gender, Asisten, Rerata_Sekolah = range3 [19.50...	Asal_Sekolah	0.050	1	1	-0.050
81	Asal_Sekolah, Asisten, Rerata_Sekolah = range3 ...	Gender	0.050	1	1	-0.050



Jumlah data pasangan premis (table dan grafik)



Grafik chart pola distribusi