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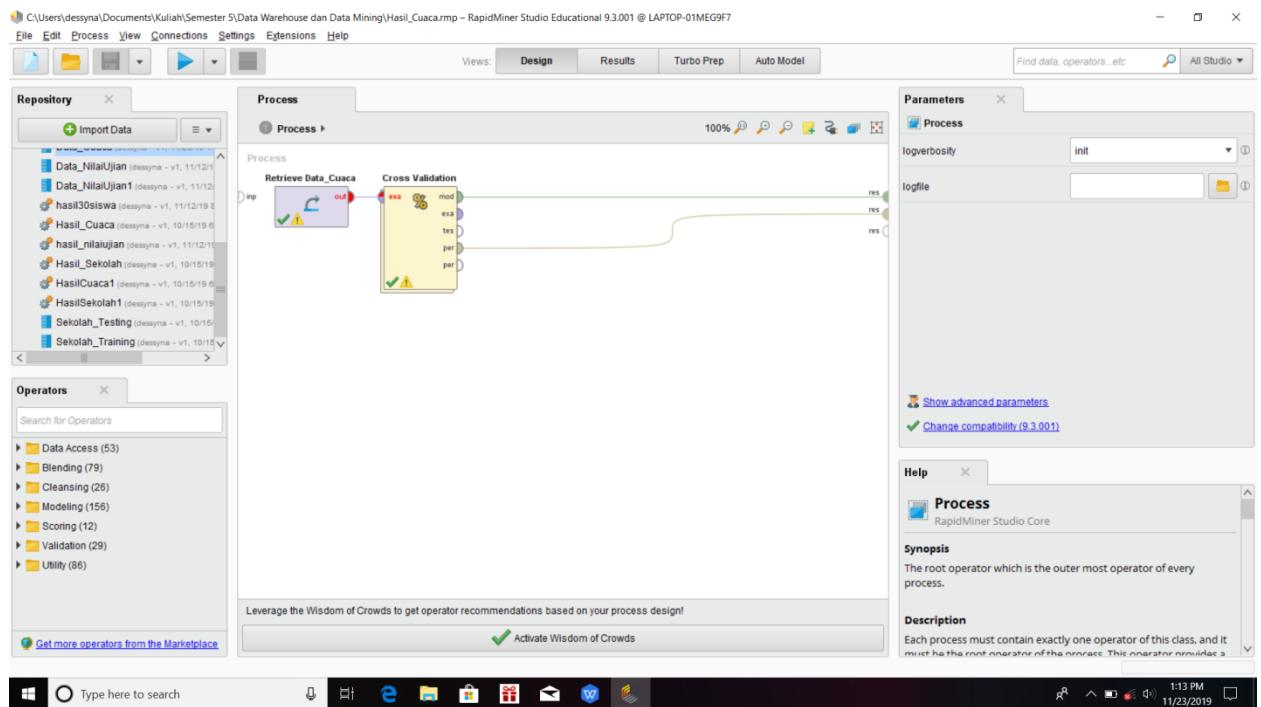
MODUL 11

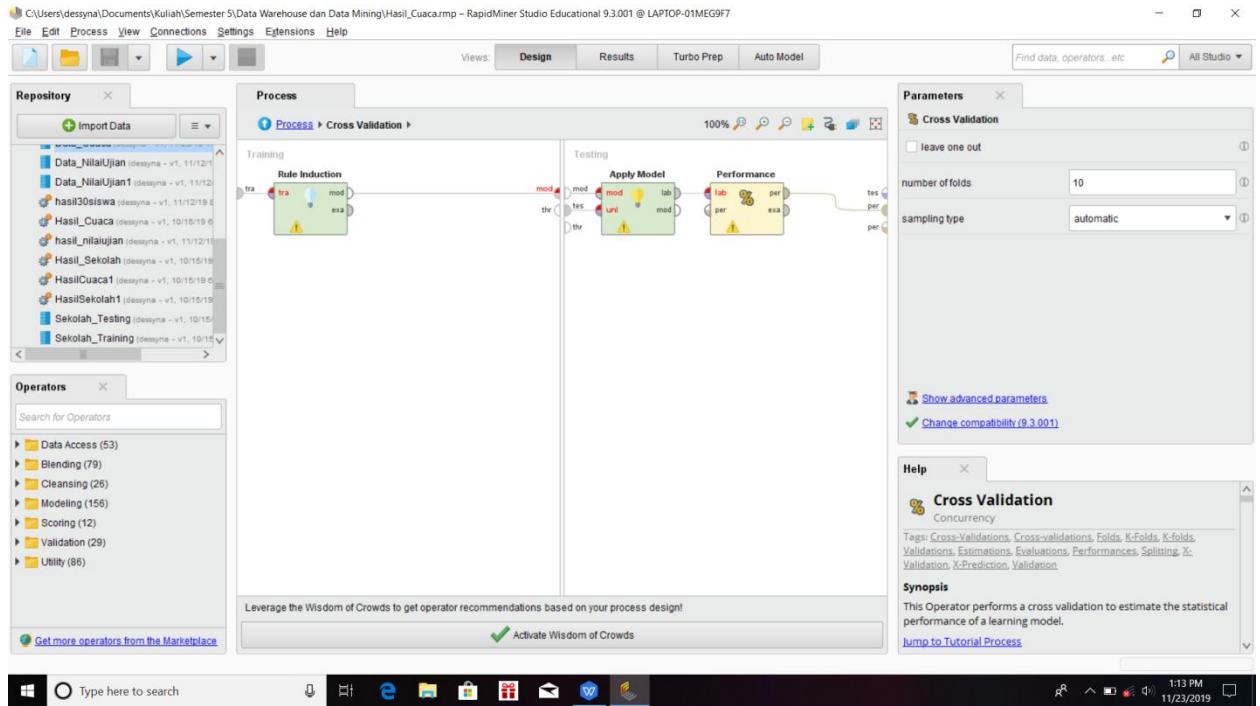
INDUKSI DAN ATURAN ASOSIASI

Langkah - langkah Praktikum

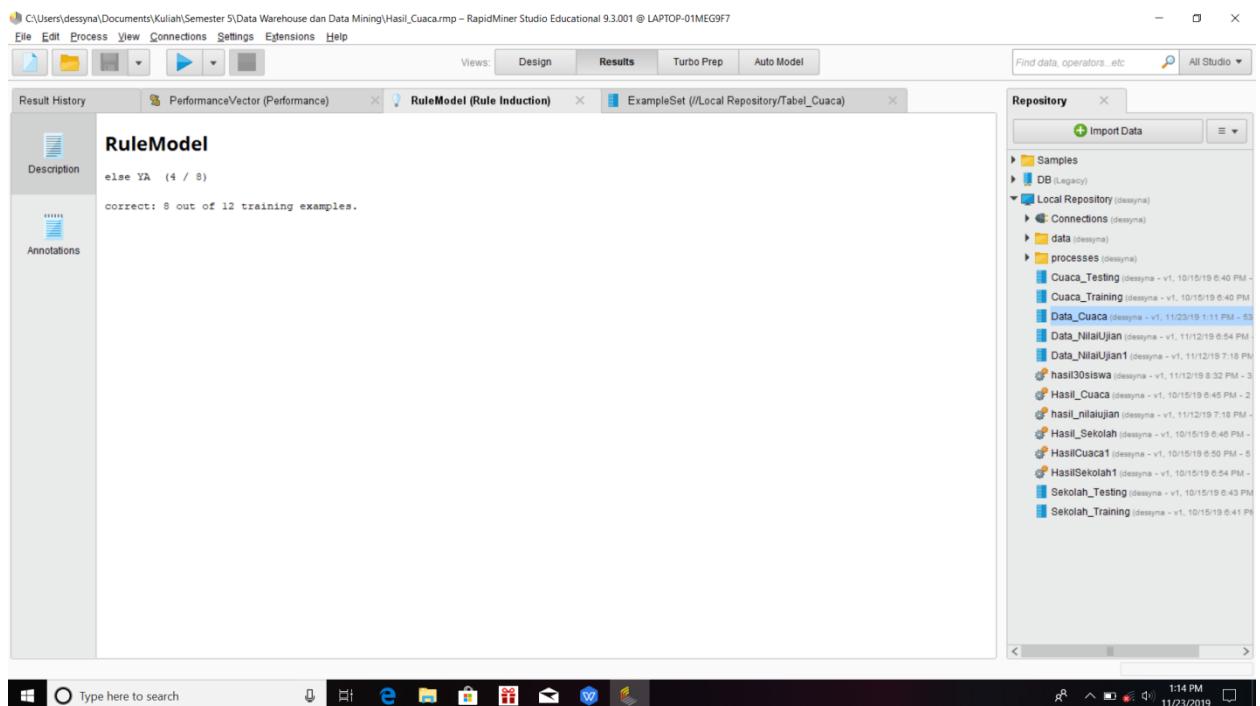
A. Induksi Aturan Data Cuaca

1. Jalankan aplikasi RapidMiner
2. Gunakan model proses dari praktikum data mining Modul 9 kegiatan 9.4.2
3. Dari hasil kegiatan tersebut menghasilkan sebuah pohon keputusan
4. Kembali ke Process - Cross Validation
5. Klik kanan operator Decision Tree pada area Training
6. Pilih Replace Operator --- Modeling --- predictive --- rules --- rule Induction

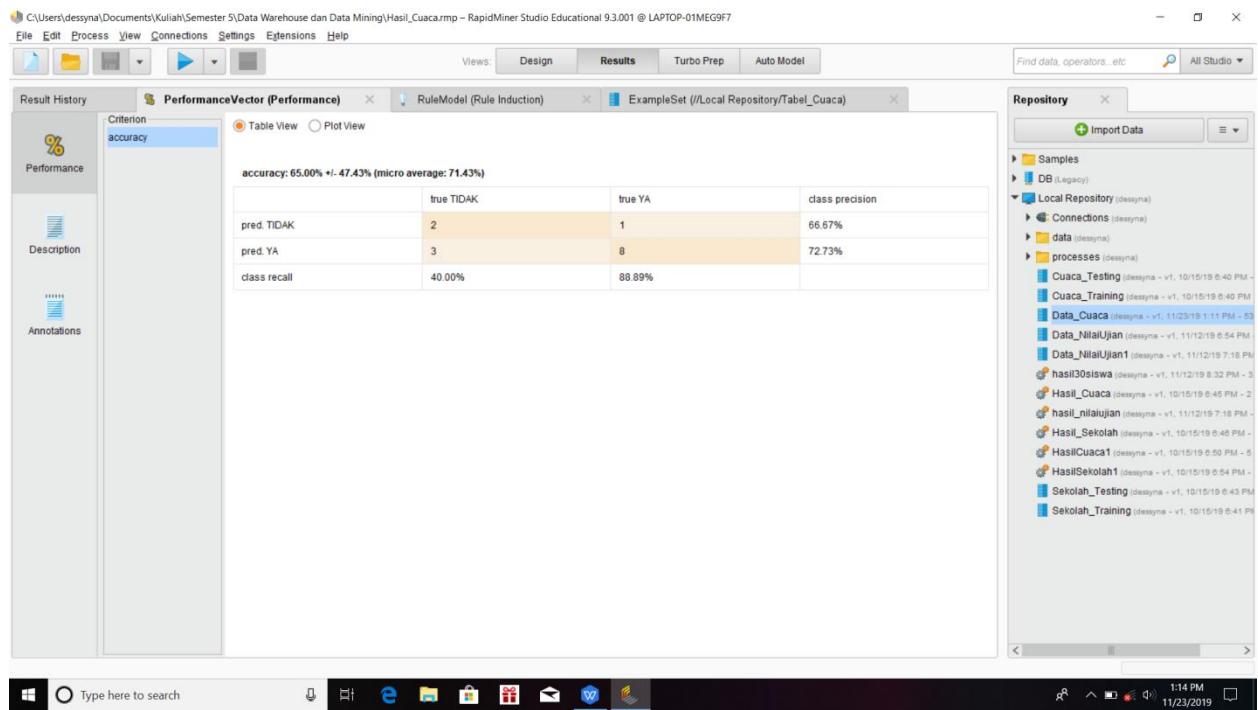




7. Tanpa mengubah parameter - parameter yang lainnya, jalankan proses dengan menekan tombol run (atau menekan tombol F11)
8. Sehingga akan diperoleh sebuah induksi aturan dari datatraining yang diberikan yang disebut sebagai RuleModel (Rule Induction)

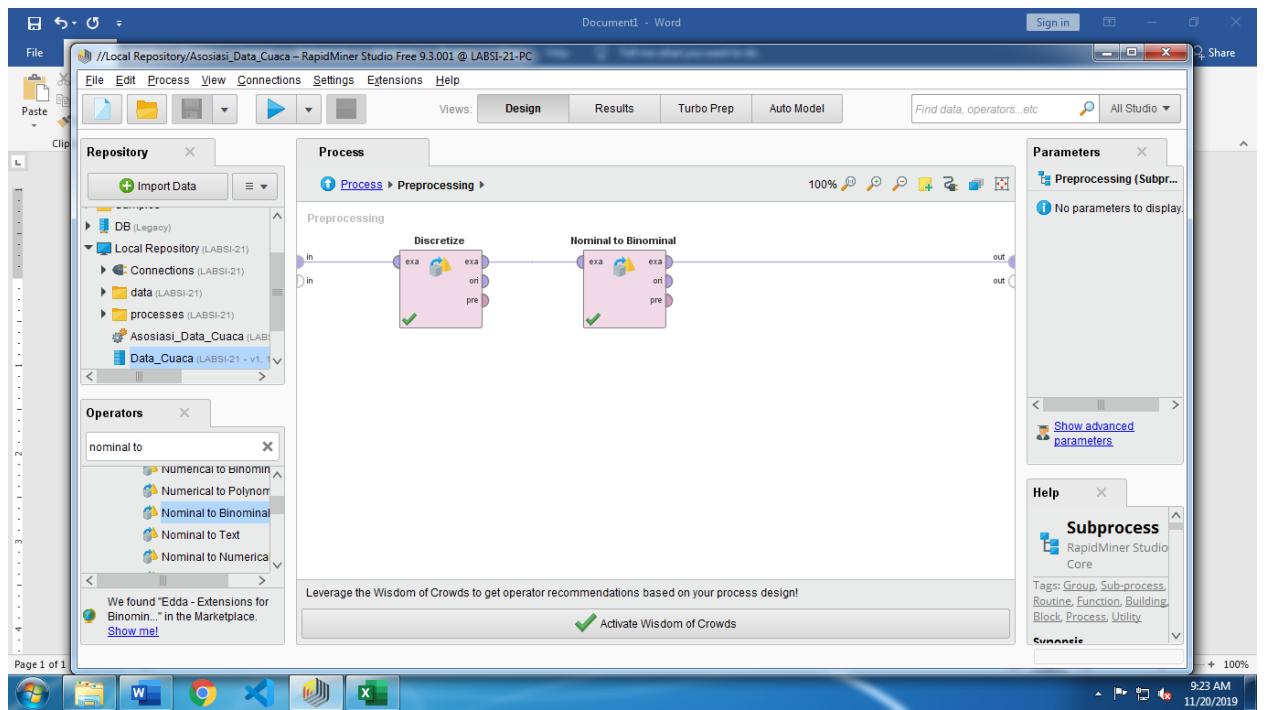


9. Model Rule Induction ini juga bisa ditunjukkan hasil Performance Vector (Performance)

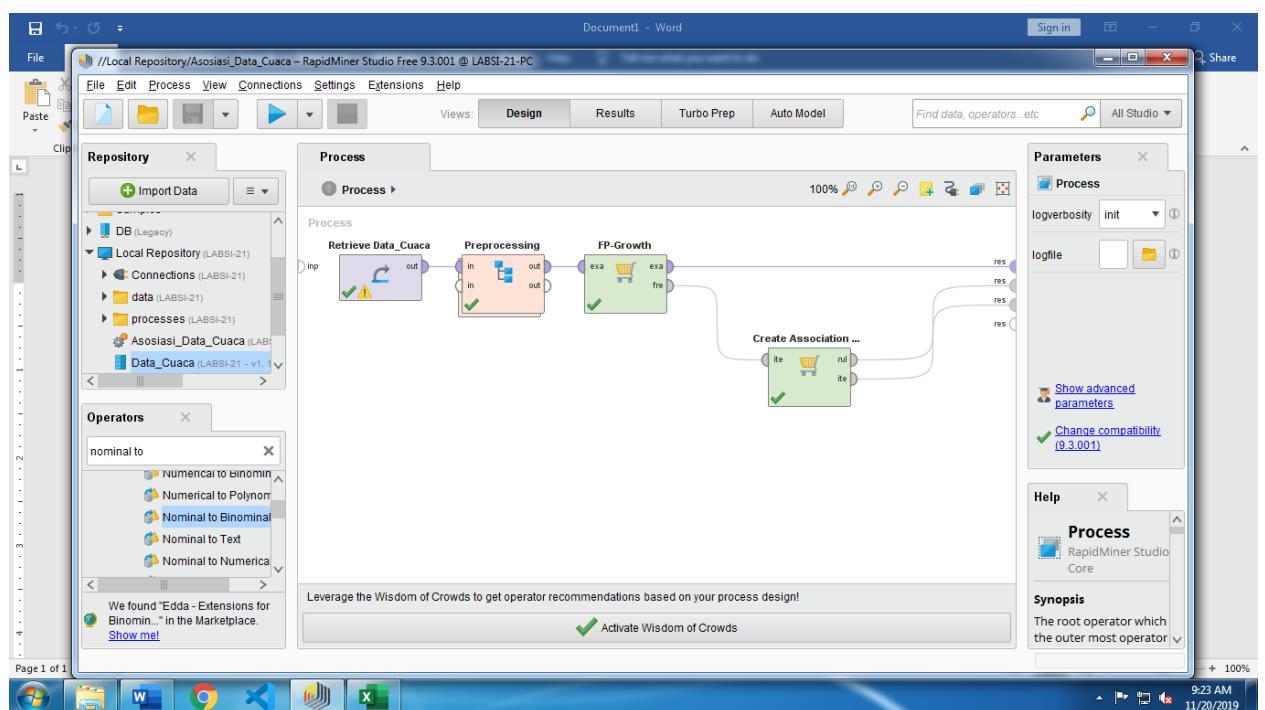


B. Aturan Asosiasi Data Cuaca

1. Masih degan menggunakan RapidMiner , pilih New process
2. Gunakan DataCuaca_Training dan drag dari repository ke area process View
3. Tambahkan operator utility --- subprocess ke dalam area.
4. Klik ganda operator preprocessing sehingga masuk pada area Nested Chain
5. Pada area Nested chain tambahkan operator-operator berikut
 - a. Cleansing -- Binning --- Discretize by Frequency
 - b. Blending --- attributes --- types --- Nominal to Binomial



6. Kembali ke main process , tambahkan 2 buah operator
 - a. Modelling --- Association -- FP Growth
 - b. Modelling -- Association --- Create association Rules



7. Jalankan proses dengan menekan tombol run
8. Dapat dilihat hasil - hasil aturan asosiasi sebagai berikut :

a. Frequent Item Set (FP-Growth)

The screenshot shows the RapidMiner Studio interface with the 'FrequentItemSets (FP.Growth)' tab selected. The main area displays a table with columns: Size, Support, Item 1, Item 2, Item 3, and Item 4. The table contains 14 rows of data extracted from the 'Data' tab. The 'Annotations' tab is also visible on the left.

Size	Support	Item 1	Item 2	Item 3	Item 4
1	0.500	Kelembapan_U...			
1	0.429	Berangin			
1	0.429	Suhu			
1	0.357	Cuaca = Cerah			
1	0.357	Cuaca = Hujan			
1	0.286	Cuaca = Mendu...			
2	0.214	Kelembapan_U...	Berangin		
2	0.214	Kelembapan_U...	Suhu		
2	0.214	Kelembapan_U...	Cuaca = Cerah		
2	0.143	Kelembapan_U...	Cuaca = Hujan		
2	0.143	Kelembapan_U...	Cuaca = Mendu...		
2	0.143	Berangin	Suhu		
2	0.143	Berangin	Cuaca = Cerah		

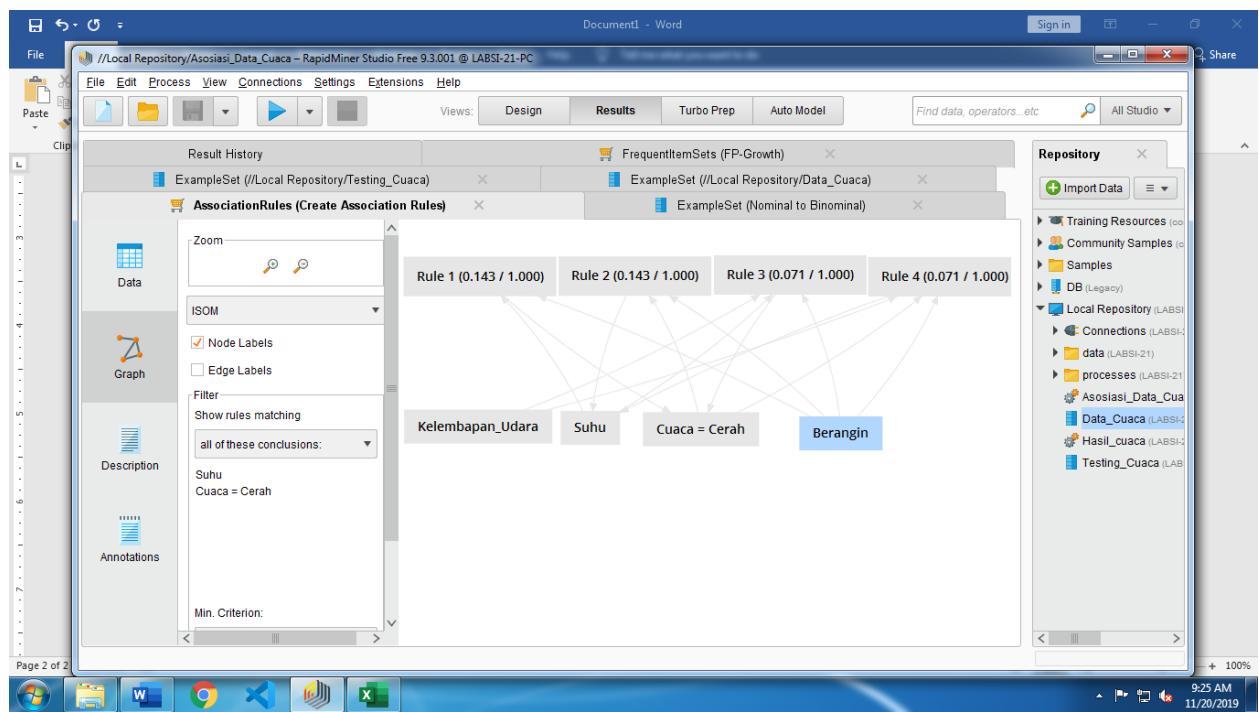
b. Association rules (Create Association Rules)

i. Table View

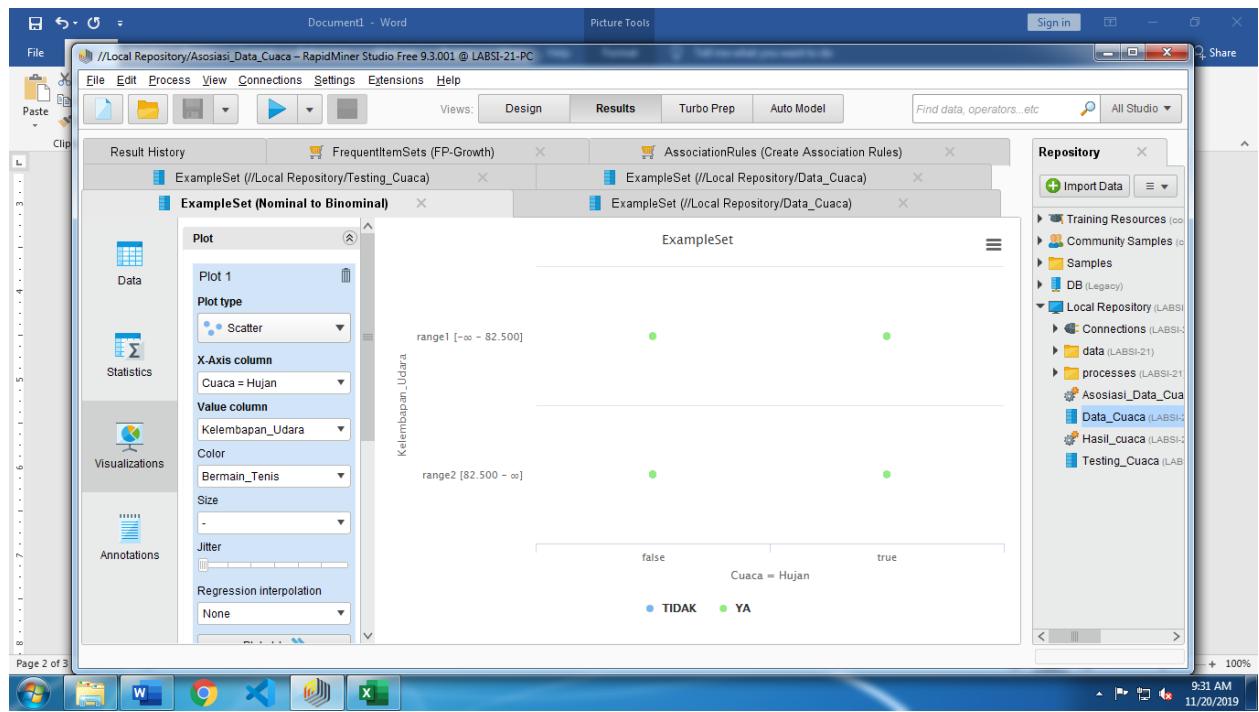
The screenshot shows the RapidMiner Studio interface with the 'AssociationRules (Create Association Rules)' tab selected. The main area displays a table with columns: No., Premises, and Conclusion. The table contains 4 rows of data extracted from the 'Data' tab. The 'Annotations' tab is also visible on the left.

No.	Premises	Conclusion
1	Berangin, Suhu	Cuaca = Cerah
2	Berangin, Cuaca = Cerah	Suhu
3	Kelembapan_Udara, Berangin, Suhu	Cuaca = Cerah
4	Kelembapan_Udara, Berangin, Cuaca = Cerah	Suhu

ii. Graph view

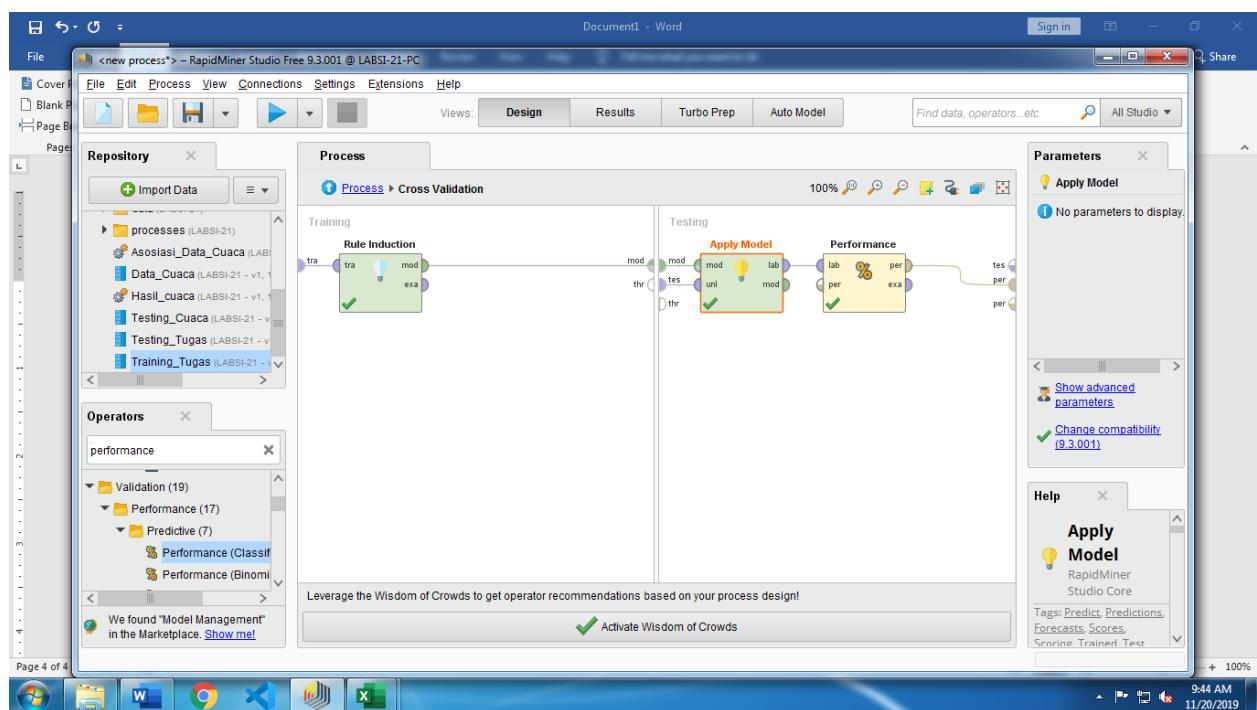
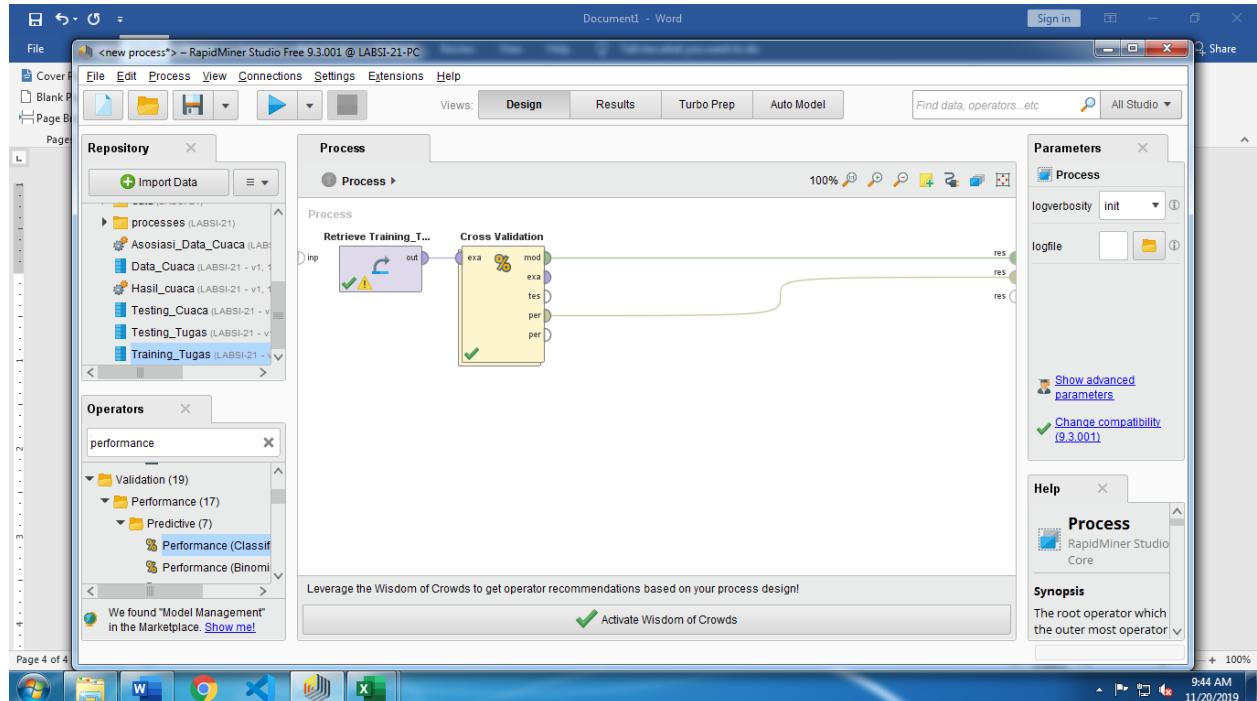


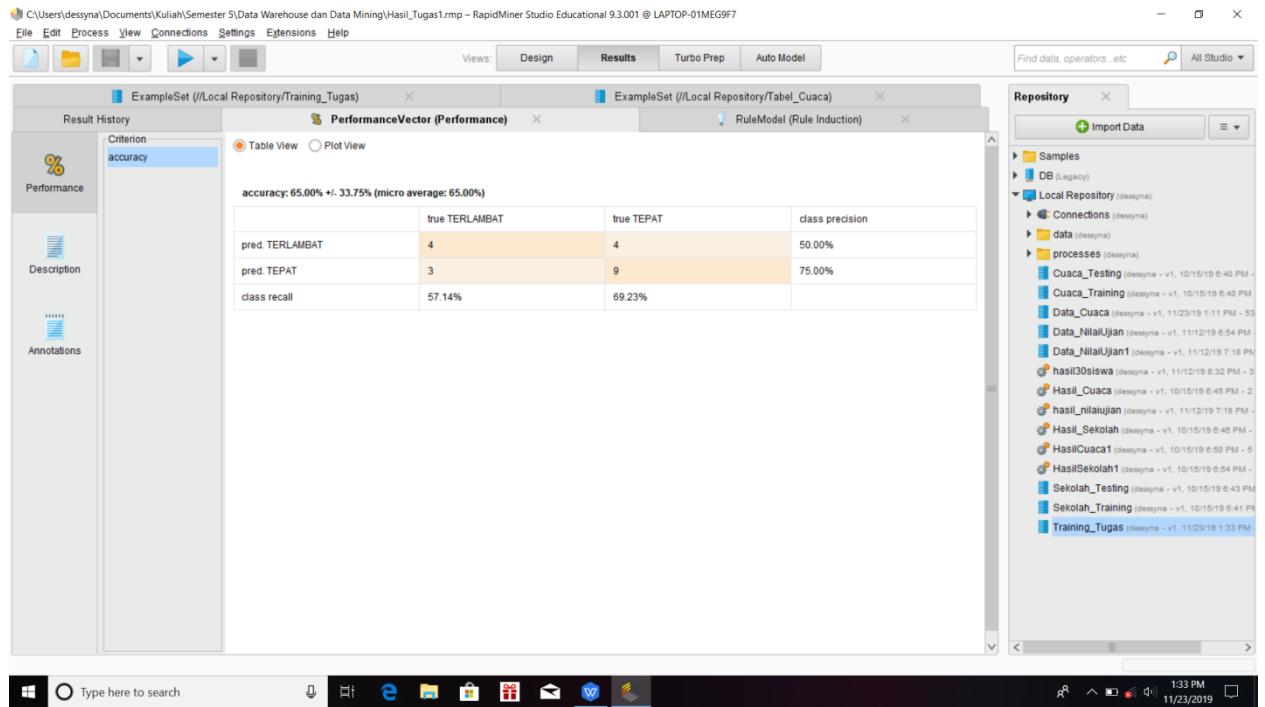
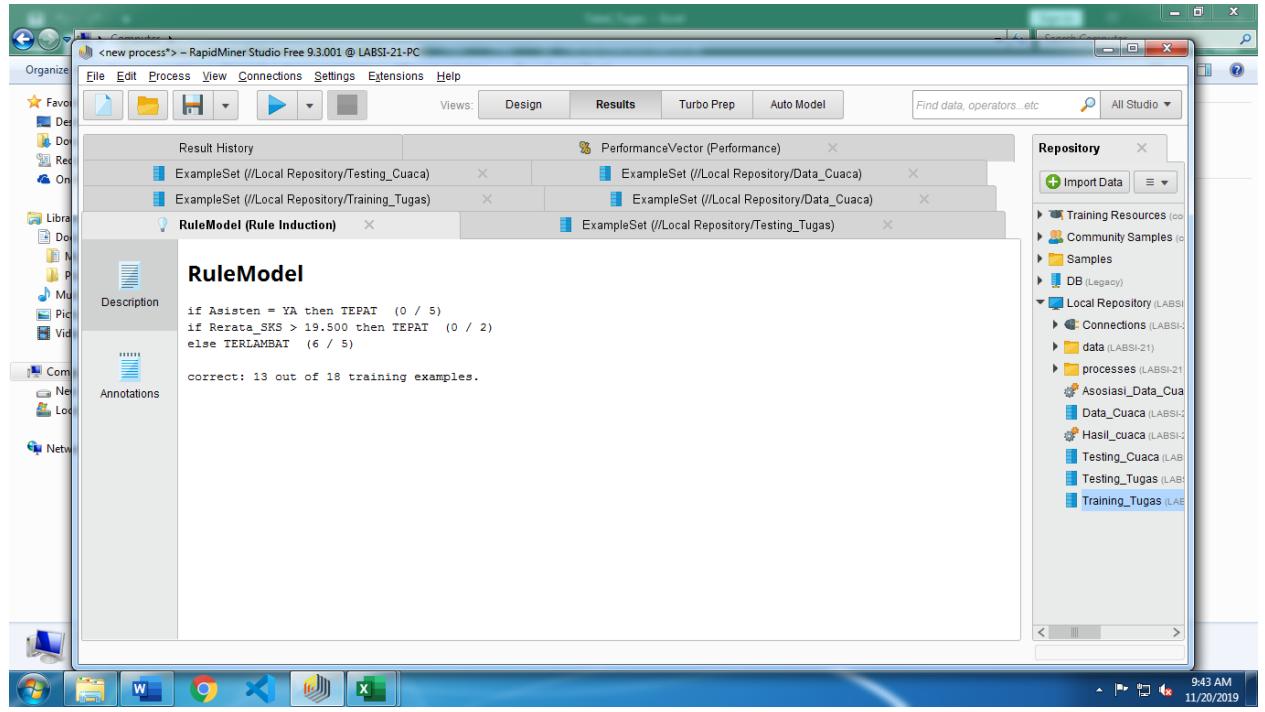
C. ExampleSet (Nominal2Binomial) --- Chart View



TUGAS

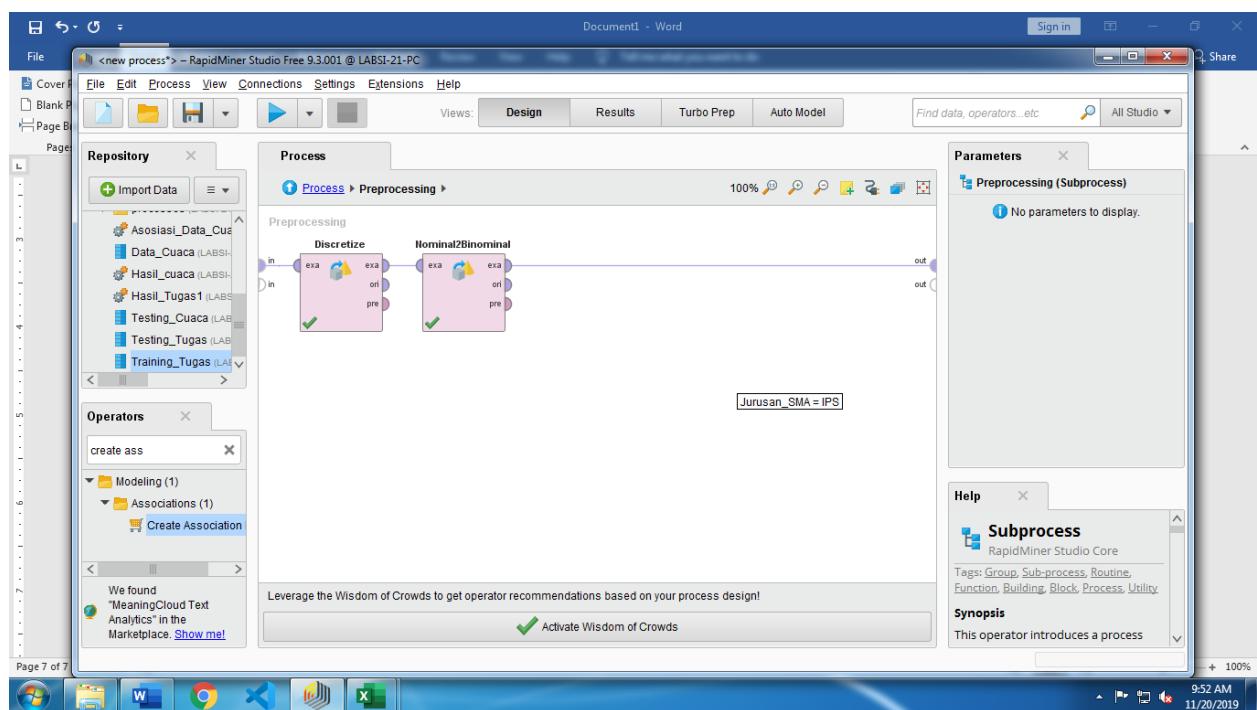
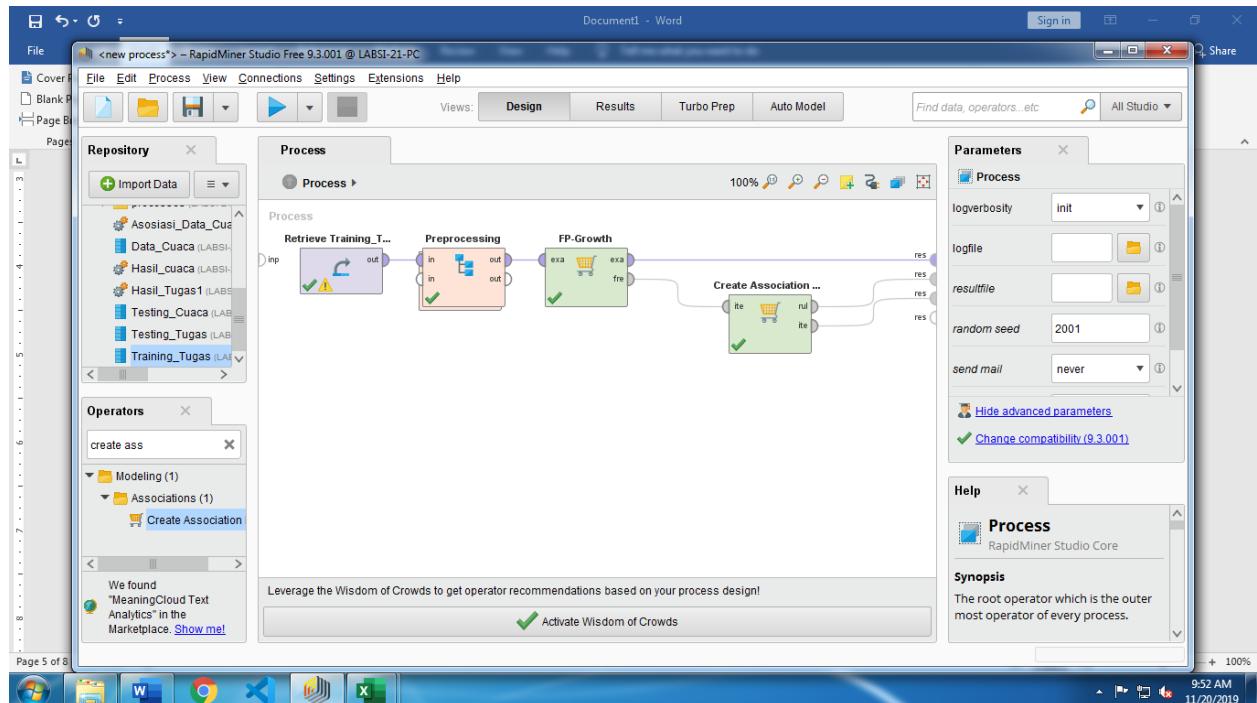
1. Dengan menggunakan data Lama studi (format Excel) pada tugas modul 6 no. 1 , carilah pola hubungan berdasarkan Induction Rule dan nilai performance vector





2. Masih dengan menggunakan data training yang sama , dengan ketentuan bahwa pada operator Discretize by Frequency memiliki nilai :

Number of bins = 2



a. Frequent Item Set (FP-Growth)

Screenshot of RapidMiner Studio Free 9.3.001 showing the results of the FP-Growth process.

Result History: FrequentItemSets (FP-Growth)

No. of Sets: 55	Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
Total Max. Size: 5	1	0.750	Gender				
Min. Size: 1	1	0.500	Jurusan_SMA ...				
Max. Size: 5	1	0.300	Asal_Sekolah				
Contains Item:	1	0.300	Jurusan_SMA ...				
	1	0.250	Asisten				
	1	0.250	Rerata_SKS				
	1	0.200	Jurusan_SMA ...				
	2	0.350	Gender	Jurusan_SMA ...			
	2	0.250	Gender	Asal_Sekolah			
	2	0.250	Gender	Jurusan_SMA ...			
	2	0.200	Gender	Asisten			
	2	0.250	Gender	Rerata_SKS			

Annotations:

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

Screenshot of RapidMiner Studio Free 9.3.001 showing the results of the FP-Growth process.

Result History: FrequentItemSets (FP-Growth)

No. of Sets: 55	Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
Total Max. Size: 5	2	0.150	Gender	Jurusan_SMA ...			
Min. Size: 1	2	0.150	Jurusan_SMA ...	Asal_Sekolah			
Max. Size: 5	2	0.200	Jurusan_SMA ...	Asisten			
Contains Item:	2	0.100	Jurusan_SMA ...	Rerata_SKS			
	2	0.100	Asal_Sekolah	Jurusan_SMA ...			
	2	0.150	Asal_Sekolah	Asisten			
	2	0.150	Asal_Sekolah	Rerata_SKS			
	2	0.050	Asal_Sekolah	Jurusan_SMA ...			
	2	0.100	Jurusan_SMA ...	Rerata_SKS			
	2	0.150	Asisten	Rerata_SKS			
	2	0.050	Asisten	Jurusan_SMA ...			
	2	0.050	Rerata_SKS	Jurusan_SMA ...			

Annotations:

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

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Views: Design Results Turbo Prep Auto Model Find data, operators...etc All Studio

Repository

Import Data

Training Resources (0) Community Samples (0) Samples DB (Legacy) Local Repository (LABSI) Connections (LABSI) data (LABSI-21) processes (LABSI-21) Asosiasi_Data_Cua Data_Cuaca (LABSI-) Hasil_cuaca (LABSI-) Hasil_Tugas1 (LABS Testing_Cuaca (LABS Testing_Tugas (LABS Training_Tugas (LABS

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

Data Annotations

No. of Sets: 55 Size Support Item 1 Item 2 Item 3 Item 4 Item 5

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	Gender	Jurusan_SMA ...	Asal_Sekolah		
3	0.150	Gender	Jurusan_SMA ...	Asisten		
3	0.100	Gender	Jurusan_SMA ...	Rerata_SKS		
3	0.100	Gender	Asal_Sekolah	Jurusan_SMA ...		
3	0.150	Gender	Asal_Sekolah	Asisten		
3	0.050	Gender	Asal_Sekolah	Rerata_SKS		
3	0.100	Gender	Jurusan_SMA ...	Rerata_SKS		
3	0.150	Gender	Asisten	Rerata_SKS		
3	0.050	Gender	Asisten	Jurusan_SMA ...		
3	0.050	Gender	Rerata_SKS	Jurusan_SMA ...		
3	0.100	Jurusan_SMA ...	Asal_Sekolah	Asisten		

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File Edit Process View Connections Settings Help

Views: Design Results Turbo Prep Auto Model Find data, operators...etc All Studio

Repository

Import Data

Training Resources (0) Community Samples (0) Samples DB (Legacy) Local Repository (LABSI) Connections (LABSI) data (LABSI-21) processes (LABSI-21) Asosiasi_Data_Cua Data_Cuaca (LABSI-) Hasil_cuaca (LABSI-) Hasil_Tugas1 (LABS Testing_Cuaca (LABS Testing_Tugas (LABS Training_Tugas (LABS

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

Data Annotations

No. of Sets: 55 Size Support Item 1 Item 2 Item 3 Item 4 Item 5

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	0.050	Jurusan_SMA ...	Asal_Sekolah	Rerata_SKS		
3	0.100	Jurusan_SMA ...	Asisten	Rerata_SKS		
3	0.050	Asal_Sekolah	Jurusan_SMA ...	Rerata_SKS		
3	0.100	Asal_Sekolah	Asisten	Rerata_SKS		
3	0.050	Asal_Sekolah	Asisten	Jurusan_SMA ...		
3	0.050	Asal_Sekolah	Rerata_SKS	Jurusan_SMA ...		
3	0.050	Asisten	Rerata_SKS	Jurusan_SMA ...		
4	0.050	Gender	Jurusan_SMA ...	Asal_Sekolah	Asisten	
4	0.050	Gender	Jurusan_SMA ...	Asal_Sekolah	Rerata_SKS	
4	0.100	Gender	Jurusan_SMA ...	Asisten	Rerata_SKS	
4	0.050	Gender	Asal_Sekolah	Jurusan_SMA ...	Rerata_SKS	
4	0.100	Gender	Asal_Sekolah	Asisten	Rerata_SKS	

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Screenshot of RapidMiner Studio Free 9.3.001 showing the 'FrequentItemSets (FP-Growth)' view.

Data View:

No. of Sets: 55	Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
4	0.050	Gender	Jurusan_SMA...	Asal_Sekolah	Asisten		
4	0.050	Gender	Jurusan_SMA...	Asal_Sekolah	Rerata_SKS		
4	0.100	Gender	Jurusan_SMA...	Asisten	Rerata_SKS		
4	0.050	Gender	Asal_Sekolah	Jurusan_SMA...	Rerata_SKS		
4	0.100	Gender	Asal_Sekolah	Asisten	Rerata_SKS		
4	0.050	Gender	Asal_Sekolah	Asisten	Jurusan_SMA...		
4	0.050	Gender	Asal_Sekolah	Rerata_SKS	Jurusan_SMA...		
4	0.050	Gender	Asisten	Rerata_SKS	Jurusan_SMA...		
4	0.050	Jurusan_SMA...	Asal_Sekolah	Asisten	Rerata_SKS		
5	0.050	Gender	Jurusan_SMA...	Asal_Sekolah	Asisten	Rerata_SKS	
5	0.050	Gender	Asal_Sekolah	Asisten	Rerata_SKS	Jurusan_SMA...	

Annotations View:

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

a. Association Rules

Screenshot of RapidMiner Studio Free 9.3.001 showing the 'AssociationRules (Create Association Rules)' view.

Data View:

No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain
3	Asal_Sekolah	Gender	0.250	0.833	0.962	-0.350
4	Jurusan_SMA = IPS	Gender	0.250	0.833	0.962	-0.350
5	Rerata_SKS	Gender	0.250	1	1	-0.250
6	Jurusan_SMA = IPA, Rerata_SKS	Gender	0.100	1	1	-0.100
7	Asal_Sekolah, Jurusan_SMA = IPS	Gender	0.100	1	1	-0.100
8	Asal_Sekolah, Rerata_SKS	Gender	0.150	1	1	-0.150
9	Asal_Sekolah, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0.050
10	Jurusan_SMA = IPS, Rerata_SKS	Gender	0.100	1	1	-0.100
11	Asisten, Rerata_SKS	Gender	0.150	1	1	-0.150
12	Asisten, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0.050
13	Rerata_SKS, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0.050
14	Jurusan_SMA = IPA, Rerata_SKS	Asisten	0.100	1	1	-0.100
15	Asal_Sekolah, Jurusan_SMA = LAIN	Asisten	0.050	1	1	-0.050
16	Asisten, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1	1	-0.050

Annotations View:

Show rules matching Gender
Jurusan_SMA = IPA
Asal_Sekolah
Asisten
Rerata_SKS

Min. Criterion: Min. Criterion Value:

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ExampleSet (/Local Repository/Data_Cuaca) ExampleSet (/Local Repository/Testing_Cuaca) ExampleSet (/Local Repository/Data_Cuaca)
 ExampleSet (Nominal2Binomial) ExampleSet (/Local Repository/Testing_Tugas) ExampleSet (/Local Repository/Training_Tugas)

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

Data Graph Description Annotations

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	Confidence	LaPlace	Gain
17	Asal_Sekolah, Jurusan_SMA = LAIN	Rerata_SKS	0.050	1	1	-0.050
18	Rerata_SKS, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1	1	-0.050
19	Asisten, Jurusan_SMA = LAIN	Rerata_SKS	0.050	1	1	-0.050
20	Rerata_SKS, Jurusan_SMA = LAIN	Asisten	0.050	1	1	-0.050
21	Jurusan_SMA = IPA, Asal_Sekolah, Rerata_SKS	Gender	0.050	1	1	-0.050
22	Jurusan_SMA = IPA, Rerata_SKS	Gender, Asisten	0.100	1	1	-0.100
23	Gender, Jurusan_SMA = IPA, Rerata_SKS	Asisten	0.100	1	1	-0.100
24	Jurusan_SMA = IPA, Asisten, Rerata_SKS	Gender	0.100	1	1	-0.100
25	Asal_Sekolah, Jurusan_SMA = IPS, Rerata_SKS	Gender	0.050	1	1	-0.050
26	Gender, Asal_Sekolah, Asisten	Rerata_SKS	0.100	1	1	-0.100
27	Asal_Sekolah, Asisten, Rerata_SKS	Gender	0.100	1	1	-0.100
28	Asal_Sekolah, Jurusan_SMA = LAIN	Gender, Asisten	0.050	1	1	-0.050
29	Gender, Asal_Sekolah, Jurusan_SMA = LAIN	Asisten	0.050	1	1	-0.050
30	Asisten, Jurusan_SMA = LAIN	Gender, Asal_Sekolah	0.050	1	1	-0.050

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Views: Design Results Turbo Prep Auto Model Find data, operators...etc All Studio

ExampleSet (/Local Repository/Data_Cuaca) ExampleSet (/Local Repository/Testing_Cuaca) ExampleSet (/Local Repository/Data_Cuaca)
 ExampleSet (Nominal2Binomial) ExampleSet (/Local Repository/Testing_Tugas) ExampleSet (/Local Repository/Training_Tugas)

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

Data Graph Description Annotations

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	Confidence	LaPlace	Gain
31	Gender, Asisten, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1	1	-0.050
32	Asal_Sekolah, Asisten, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0.050
33	Asal_Sekolah, Jurusan_SMA = LAIN	Gender, Rerata_SKS	0.050	1	1	-0.050
34	Gender, Asal_Sekolah, Jurusan_SMA = LAIN	Rerata_SKS	0.050	1	1	-0.050
35	Rerata_SKS, Jurusan_SMA = LAIN	Gender, Asal_Sekolah	0.050	1	1	-0.050
36	Gender, Rerata_SKS, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1	1	-0.050
37	Asal_Sekolah, Rerata_SKS, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0.050
38	Asisten, Jurusan_SMA = LAIN	Gender, Rerata_SKS	0.050	1	1	-0.050
39	Gender, Asisten, Jurusan_SMA = LAIN	Rerata_SKS	0.050	1	1	-0.050
40	Rerata_SKS, Jurusan_SMA = LAIN	Gender, Asisten	0.050	1	1	-0.050
41	Gender, Rerata_SKS, Jurusan_SMA = LAIN	Asisten	0.050	1	1	-0.050
42	Asisten, Rerata_SKS, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0.050
43	Jurusan_SMA = IPA, Asal_Sekolah, Rerata_SKS	Asisten	0.050	1	1	-0.050
44	Asal_Sekolah, Jurusan_SMA = LAIN	Asisten, Rerata_SKS	0.050	1	1	-0.050

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Views: Design Results Turbo Prep Auto Model Find data, operators...etc All Studio

ExampleSet (/Local Repository/Data_Cuaca) ExampleSet (/Local Repository/Testing_Cuaca) ExampleSet (/Local Repository/Data_Cuaca)
 ExampleSet (Nominal2Binomial) ExampleSet (/Local Repository/Testing_Tugas) ExampleSet (/Local Repository/Training_Tugas)

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

Data Graph Description Annotations

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	Confidence	LaPlace	Gain
45	Asisten, Jurusan_SMA = LAIN	Asal_Sekolah, Rerata_SKS	0.050	1	1	-0.050
46	Asal_Sekolah, Asisten, Jurusan_SMA = LAIN	Rerata_SKS	0.050	1	1	-0.050
47	Rerata_SKS, Jurusan_SMA = LAIN	Asal_Sekolah, Asisten	0.050	1	1	-0.050
48	Asal_Sekolah, Rerata_SKS, Jurusan_SMA = LAIN	Asisten	0.050	1	1	-0.050
49	Asisten, Rerata_SKS, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1	1	-0.050
50	Gender, Jurusan_SMA = IPA, Asal_Sekolah, Asisten	Rerata_SKS	0.050	1	1	-0.050
51	Jurusan_SMA = IPA, Asal_Sekolah, Rerata_SKS	Gender, Asisten	0.050	1	1	-0.050
52	Gender, Jurusan_SMA = IPA, Asal_Sekolah, Rerat...	Asisten	0.050	1	1	-0.050
53	Jurusan_SMA = IPA, Asal_Sekolah, Asisten, Rerat...	Gender	0.050	1	1	-0.050
54	Asal_Sekolah, Jurusan_SMA = LAIN	Gender, Asisten, Rerata_SKS	0.050	1	1	-0.050
55	Gender, Asal_Sekolah, Jurusan_SMA = LAIN	Asisten, Rerata_SKS	0.050	1	1	-0.050
56	Asisten, Jurusan_SMA = LAIN	Gender, Asal_Sekolah, Rerata_SKS	0.050	1	1	-0.050
57	Gender, Asisten, Jurusan_SMA = LAIN	Asal_Sekolah, Rerata_SKS	0.050	1	1	-0.050
58	Asal_Sekolah, Asisten, Jurusan_SMA = LAIN	Gender, Rerata_SKS	0.050	1	1	-0.050

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File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model Find data, operators...etc All Studio

ExampleSet (/Local Repository/Data_Cuaca) ExampleSet (/Local Repository/Testing_Cuaca) ExampleSet (/Local Repository/Data_Cuaca)
 ExampleSet (Nominal2Binomial) ExampleSet (/Local Repository/Testing_Tugas) ExampleSet (/Local Repository/Training_Tugas)

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

Data Graph Description Annotations

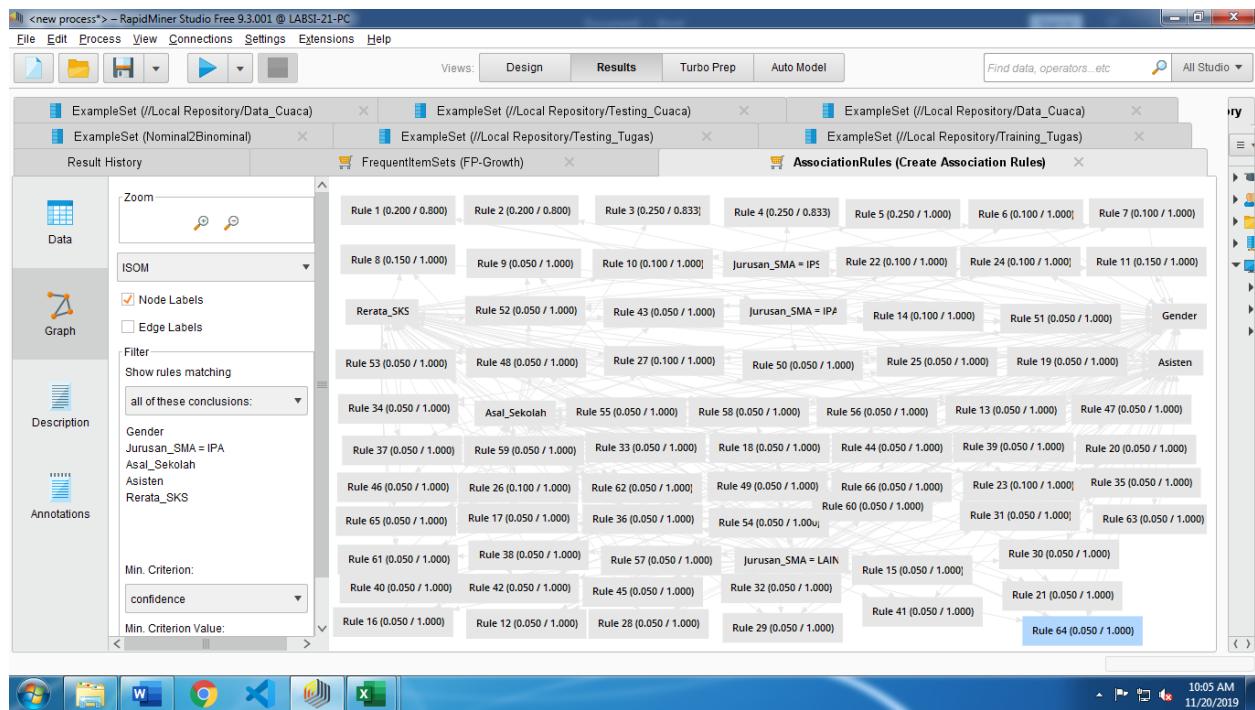
Show rules matching all of these conclusions:
 Gender Jurusan_SMA = IPA
 Asal_Sekolah
 Asisten
 Rerata_SKS

Min. Criterion: confidence Min. Criterion Value:

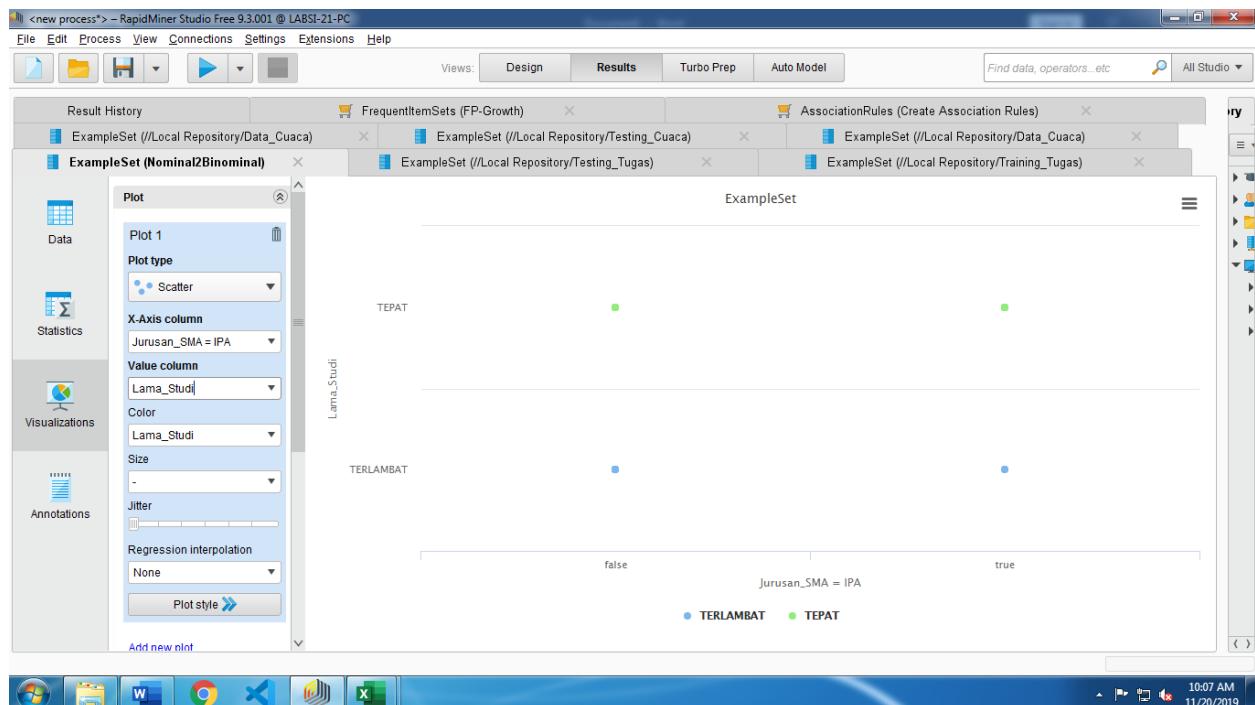
No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain
53	Jurusan_SMA = IPA, Asal_Sekolah, Asisten, Rerat...	Gender	0.050	1	1	-0.050
54	Asal_Sekolah, Jurusan_SMA = LAIN	Gender, Asisten, Rerata_SKS	0.050	1	1	-0.050
55	Gender, Asal_Sekolah, Jurusan_SMA = LAIN	Asisten, Rerata_SKS	0.050	1	1	-0.050
56	Asisten, Jurusan_SMA = LAIN	Gender, Asal_Sekolah, Rerata_SKS	0.050	1	1	-0.050
57	Gender, Asisten, Jurusan_SMA = LAIN	Asal_Sekolah, Rerata_SKS	0.050	1	1	-0.050
58	Asal_Sekolah, Asisten, Jurusan_SMA = LAIN	Gender, Rerata_SKS	0.050	1	1	-0.050
59	Gender, Asal_Sekolah, Asisten, Jurusan_SMA = L...	Rerata_SKS	0.050	1	1	-0.050
60	Rerata_SKS, Jurusan_SMA = LAIN	Gender, Asal_Sekolah, Asisten	0.050	1	1	-0.050
61	Gender, Rerata_SKS, Jurusan_SMA = LAIN	Asal_Sekolah, Asisten	0.050	1	1	-0.050
62	Asal_Sekolah, Rerata_SKS, Jurusan_SMA = LAIN	Gender, Asisten	0.050	1	1	-0.050
63	Gender, Asal_Sekolah, Rerata_SKS, Jurusan_SM...	Asisten	0.050	1	1	-0.050
64	Asisten, Rerata_SKS, Jurusan_SMA = LAIN	Gender, Asal_Sekolah	0.050	1	1	-0.050
65	Gender, Asisten, Rerata_SKS, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1	1	-0.050
66	Asal_Sekolah, Asisten, Rerata_SKS, Jurusan_SM...	Gender	0.050	1	1	-0.050

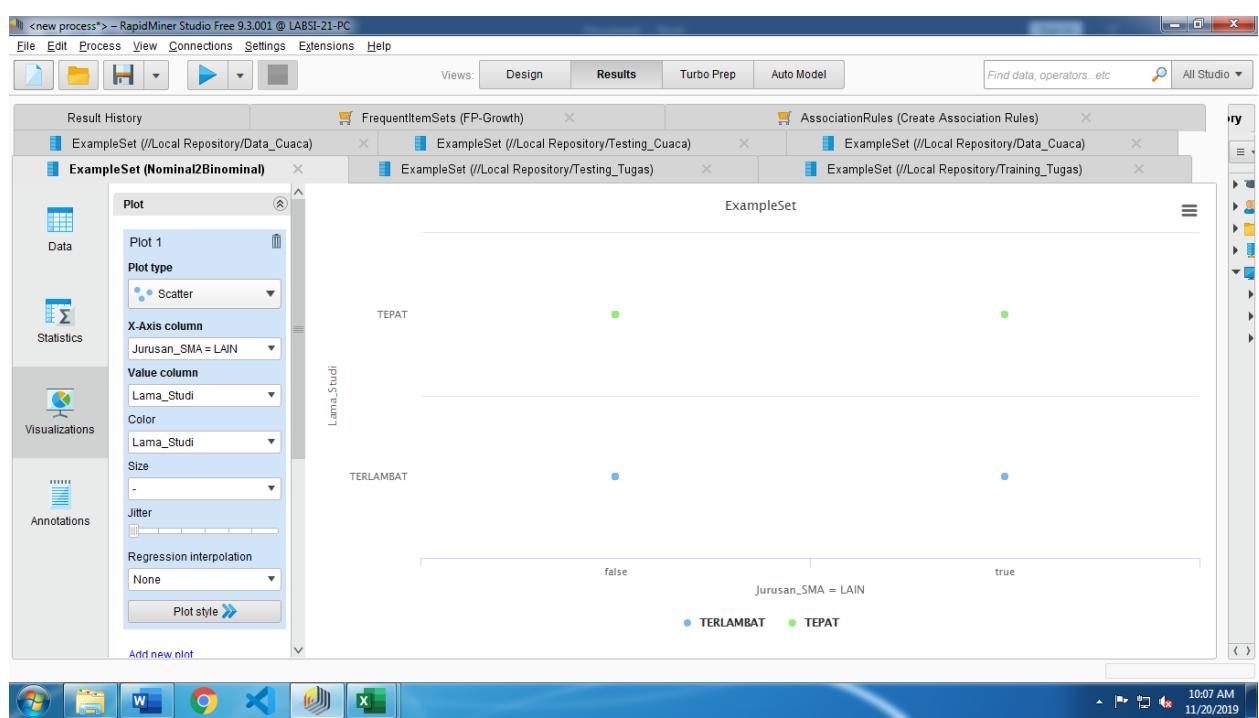
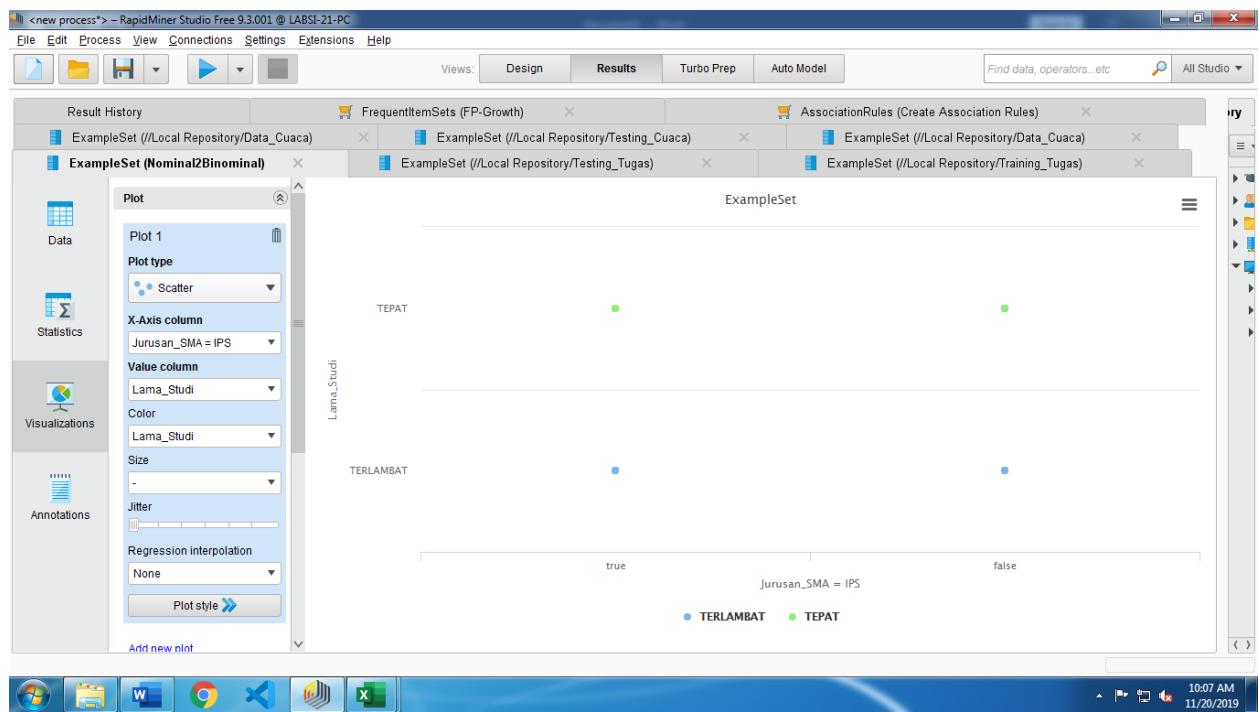
9:56 AM 11/20/2019

Graph View



a. ExampleSet (Nominal to Binomial) --- Charts View





Number of bins = 3

a. Frequent Item Set (FP-Growth)

The screenshot shows the RapidMiner Studio interface with two results tables displayed side-by-side.

Result 1 (Top): Number of Sets: 85, Total Max. Size: 5. The table shows frequent item sets up to size 5. Item 1 is Gender.

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 = range1 ...				
1	0.350	Rerata_SKS = range2 ...				
1	0.300	Asal_Sekolah				
1	0.300	Jurusan_SMA = IPS				
1	0.250	Asisten				
1	0.250	Rerata_SKS = range3 ...				
1	0.200	Jurusan_SMA = LAIN				
2	0.350	Gender	Jurusan_SMA = IPA			
2	0.200	Gender	Rerata_SKS = range1 ...			
2	0.300	Gender	Rerata_SKS = range2 ...			
2	0.250	Gender	Asal_Sekolah			
2	0.250	Gender	Jurusan_SMA = IPS			

Result 2 (Bottom): Number of Sets: 85, Total Max. Size: 5. The table shows frequent item sets up to size 5. Item 1 is Gender.

Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
2	0.200	Gender	Asisten			
2	0.250	Gender	Rerata_SKS = range3 ...			
2	0.150	Gender	Jurusan_SMA = LAIN			
2	0.200	Jurusan_SMA = IPA	Rerata_SKS = range1 ...			
2	0.200	Jurusan_SMA = IPA	Rerata_SKS = range2 ...			
2	0.150	Jurusan_SMA = IPA	Asal_Sekolah			
2	0.200	Jurusan_SMA = IPA	Asisten			
2	0.100	Jurusan_SMA = IPA	Rerata_SKS = range3 ...			
2	0.150	Rerata_SKS = range1 ...	Asal_Sekolah			
2	0.100	Rerata_SKS = range1 ...	Jurusan_SMA = IPS			
2	0.050	Rerata_SKS = range1 ...	Asisten			
2	0.100	Rerata_SKS = range1 ...	Jurusan_SMA = LAIN			
2	0.100	Rerata_SKS = range2 ...	Jurusan_SMA = IPS			
2	0.050	Rerata_SKS = range2 ...	Asisten			
?	0.050	Rerata_SKS = range2 ...	Jurusan_SMA = LAIN			

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File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model Find data, operators...etc All Studio

ExampleSet (/Local Repository/Data_Cuaca) ExampleSet (/Local Repository/Testing_Cuaca) ExampleSet (/Local Repository/Data_Cuaca)
 ExampleSet (Nominal2Binomial) ExampleSet (/Local Repository/Testing_Tugas) ExampleSet (/Local Repository/Training_Tugas)

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

Data

No. of Sets: 85	Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
Total Max. Size: 5	2	0.050	Rerata_SKS = range2 ...	Jurusan_SMA = LAIN			
Min. Size: 1	2	0.100	Asal_Sekolah	Jurusan_SMA = IPS			
Max. Size: 5	2	0.150	Asal_Sekolah	Asisten			
Contains Item:	2	0.150	Asal_Sekolah	Rerata_SKS = range3 ...			
	2	0.050	Asal_Sekolah	Jurusan_SMA = LAIN			
Update View	2	0.100	Jurusan_SMA = IPS	Rerata_SKS = range3 ...			
	2	0.150	Asisten	Rerata_SKS = range3 ...			
	2	0.050	Asisten	Jurusan_SMA = LAIN			
	2	0.050	Rerata_SKS = range3 ...	Jurusan_SMA = LAIN			
	3	0.100	Gender	Jurusan_SMA = IPA	Rerata_SKS = range1 ...		
	3	0.150	Gender	Jurusan_SMA = IPA	Rerata_SKS = range2 ...		
	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 = range3 ...		
	3	0.050	Gender	Rerata_SKS = range1 ...	Asal_Sekolah		

RapidMiner Studio Free 9.3.001 @ LABSI-21-PC

File Edit Process View Connections Settings Extensions Help

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ExampleSet (/Local Repository/Data_Cuaca) ExampleSet (/Local Repository/Testing_Cuaca) ExampleSet (/Local Repository/Data_Cuaca)
 ExampleSet (Nominal2Binomial) ExampleSet (/Local Repository/Testing_Tugas) ExampleSet (/Local Repository/Training_Tugas)

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

Data

No. of Sets: 85	Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
Total Max. Size: 5	3	0.050	Gender	Rerata_SKS = range1 ...	Jurusan_SMA = IPS		
Min. Size: 1	3	0.050	Gender	Rerata_SKS = range1 ...	Jurusan_SMA = LAIN		
Max. Size: 5	3	0.100	Gender	Rerata_SKS = range2 ...	Jurusan_SMA = IPS		
Contains Item:	3	0.050	Gender	Rerata_SKS = range2 ...	Asisten		
	3	0.050	Gender	Rerata_SKS = range2 ...	Jurusan_SMA = LAIN		
Update View	3	0.100	Gender	Asal_Sekolah	Jurusan_SMA = IPS		
	3	0.100	Gender	Asal_Sekolah	Asisten		
	3	0.150	Gender	Asal_Sekolah	Rerata_SKS = range3 ...		
	3	0.050	Gender	Asal_Sekolah	Jurusan_SMA = LAIN		
	3	0.100	Gender	Jurusan_SMA = IPS	Rerata_SKS = range3 ...		
	3	0.150	Gender	Asisten	Rerata_SKS = range3 ...		
	3	0.050	Gender	Asisten	Jurusan_SMA = LAIN		
	3	0.050	Rerata_SKS = range3 ...	Jurusan_SMA = LAIN			
	3	0.100	Jurusan_SMA = IPA	Rerata_SKS = range1 ...	Asal_Sekolah		
	3	0.050	Iurusan_SMA = IPA	Rerata_SKS = range1 ...	Asisten		

RapidMiner Studio Free 9.3.001 @ LABSI-21-PC

File Edit Process View Connections Settings Extensions Help

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 ExampleSet (Nominal2Binomial) ExampleSet (/Local Repository/Testing_Tugas) ExampleSet (/Local Repository/Training_Tugas)

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

Data

No. of Sets: 85 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	0.050	Jurusan_SMA = IPA	Rerata_SKS = range2 ...	Asisten		
3	0.100	Jurusan_SMA = IPA	Asal_Sekolah	Asisten		
3	0.050	Jurusan_SMA = IPA	Asal_Sekolah	Rerata_SKS = range3 ...		
3	0.100	Jurusan_SMA = IPA	Asisten	Rerata_SKS = range3 ...		
3	0.050	Rerata_SKS = range1 ...	Asal_Sekolah	Jurusan_SMA = IPS		
3	0.050	Rerata_SKS = range1 ...	Asal_Sekolah	Asisten		
3	0.050	Asal_Sekolah	Jurusan_SMA = IPS	Rerata_SKS = range3 ...		
3	0.100	Asal_Sekolah	Asisten	Rerata_SKS = range3 ...		
3	0.050	Asal_Sekolah	Asisten	Jurusan_SMA = LAIN		
3	0.050	Asal_Sekolah	Rerata_SKS = range3 ...	Jurusan_SMA = LAIN		
3	0.050	Asisten	Rerata_SKS = range3 ...	Jurusan_SMA = LAIN		
4	0.050	Gender	Jurusan_SMA = IPA	Rerata_SKS = range1 ...	Asal_Sekolah	
4	0.050	Gender	Jurusan_SMA = IPA	Rerata_SKS = range2 ...	Asisten	
4	0.050	Gender	Jurusan_SMA = IPA	Asal_Sekolah	Asisten	
4	0.050	Gender	Jurusan_SMA = IPA	Jurusan_SMA = IPA	Asal_Sekolah	Rerata_SKS = range3 ...

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File Edit Process View Connections Settings Extensions Help

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 ExampleSet (Nominal2Binomial) ExampleSet (/Local Repository/Testing_Tugas) ExampleSet (/Local Repository/Training_Tugas)

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

Data

No. of Sets: 85 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
4	0.050	Gender	Jurusan_SMA = IPA	Asal_Sekolah	Asisten	
4	0.050	Gender	Jurusan_SMA = IPA	Asal_Sekolah	Rerata_SKS = range3 ...	
4	0.100	Gender	Jurusan_SMA = IPA	Asisten	Rerata_SKS = range3 ...	
4	0.050	Gender	Rerata_SKS = range1 ...	Asal_Sekolah	Jurusan_SMA = IPS	
4	0.050	Gender	Asal_Sekolah	Jurusan_SMA = IPS	Rerata_SKS = range3 ...	
4	0.100	Gender	Asal_Sekolah	Asisten	Rerata_SKS = range3 ...	
4	0.050	Gender	Asal_Sekolah	Asisten	Jurusan_SMA = LAIN	
4	0.050	Gender	Asal_Sekolah	Rerata_SKS = range3 ...	Jurusan_SMA = LAIN	
4	0.050	Gender	Asisten	Rerata_SKS = range3 ...	Jurusan_SMA = LAIN	
4	0.050	Jurusan_SMA = IPA	Rerata_SKS = range1 ...	Asal_Sekolah	Asisten	
4	0.050	Jurusan_SMA = IPA	Asal_Sekolah	Asisten	Rerata_SKS = range3 ...	
4	0.050	Asal_Sekolah	Asisten	Rerata_SKS = range3 ...	Jurusan_SMA = LAIN	
5	0.050	Gender	Jurusan_SMA = IPA	Asal_Sekolah	Asisten	Rerata_SKS = range3 ...
5	0.050	Gender	Asal_Sekolah	Asisten	Rerata_SKS = range3 ...	Jurusan_SMA = LAIN



b. Association Rules

Table View

Screenshot of RapidMiner Studio Free 9.3.001 showing the results of an association rule analysis.

The interface includes a top menu bar with File, Edit, Process, View, Connections, Settings, Extensions, Help, and a toolbar with various icons.

The main area displays a table titled "AssociationRules (Create Association Rules)" with the following columns:

No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain
3	Asal_Sekolah	Gender	0.250	0.833	0.962	-0.350
4	Jurusan_SMA = IPA	Gender	0.250	0.833	0.962	-0.350
5	Asal_Sekolah	Gender	0.300	0.857	0.963	-0.400
6	Asisten	Gender	0.250	1	1	-0.250
7	Rerata_SKS = range3 [19.500 - ∞]	Gender	0.100	1	1	-0.100
8	Gender	Gender	0.100	1	1	-0.100
9	Jurusan_SMA = IPA, Rerata_SKS = range3 [19.500 - ∞]	Gender	0.050	1	1	-0.050
10	Asisten	Gender	0.050	1	1	-0.050
11	Asal_Sekolah, Jurusan_SMA = IPA	Gender	0.100	1	1	-0.100
12	Asal_Sekolah, Rerata_SKS = range3 [19.500 - ∞]	Gender	0.150	1	1	-0.150
13	Asal_Sekolah, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0.050
14	Jurusan_SMA = IPA, Rerata_SKS = range3 [19.500 - ∞]	Gender	0.100	1	1	-0.100
15	Rerata_SKS = range3 [19.500 - ∞], Asisten	Gender	0.150	1	1	-0.150
16	Asisten, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0.050

Annotations on the left side of the table view include:

- Show rules matching all of these conclusions: ▾
- Min. Criterion: confidence
- Min. Criterion Value: 0.050

Screenshot of RapidMiner Studio Free 9.3.001 showing the results of an association rule analysis.

The interface includes a top menu bar with File, Edit, Process, View, Connections, Settings, Extensions, Help, and a toolbar with various icons.

The main area displays a table titled "AssociationRules (Create Association Rules)" with the following columns:

No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain
17	Rerata_SKS = range3 [19.500 - ∞], Jurusan_SMA ...	Gender	0.050	1	1	-0.050
18	Jurusan_SMA = IPA	Gender	0.050	1	1	-0.050
19	Asal_Sekolah	Gender	0.050	1	1	-0.050
20	Asisten	Gender	0.100	1	1	-0.100
21	Rerata_SKS = range3 [19.500 - ∞], Asisten	Asisten	0.050	1	1	-0.050
22	Asal_Sekolah, Jurusan_SMA = LAIN	Asisten	0.050	1	1	-0.050
23	Asisten, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1	1	-0.050
24	Asal_Sekolah, Jurusan_SMA = LAIN	Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
25	Rerata_SKS = range3 [19.500 - ∞], Jurusan_SMA ...	Asal_Sekolah	0.050	1	1	-0.050
26	Asisten, Jurusan_SMA = LAIN	Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
27	Rerata_SKS = range3 [19.500 - ∞], Jurusan_SMA ...	Asisten	0.050	1	1	-0.050
28	Rerata_SKS = range3 [19.500 - ∞], Asisten	Gender, Jurusan_SMA = IPA	0.050	1	1	-0.050
29	Gender, Rerata_SKS = range3 [19.500 - ∞], A...	Jurusan_SMA = IPA	0.050	1	1	-0.050
30	Jurusan_SMA = IPA, Rerata_SKS = range3 [19.500 - ∞]	Gender	0.050	1	1	-0.050

Annotations on the left side of the table view include:

- Show rules matching all of these conclusions: ▾
- Min. Criterion: confidence
- Min. Criterion Value: 0.050

RapidMiner Studio Free 9.3.001 @ LABSI-21-PC

File Edit Process View Connections Settings Extensions Help

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ExampleSet (/Local Repository/Data_Cuaca) ExampleSet (/Local Repository/Testing_Cuaca) ExampleSet (/Local Repository/Data_Cuaca)
 ExampleSet (Nominal2Binomial) ExampleSet (/Local Repository/Testing_Tugas) ExampleSet (/Local Repository/Training_Tugas)

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

Show rules matching all of these conclusions: ▾

Data Graph Description Annotations

Min. Criterion: confidence ▾ Min. Criterion Value:

No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain
31	Jurusan_SMA = IPA, Asal_Sekolah, Rerata_SKS =...	Gender	0.050	1	1	-0.050
32	Jurusan_SMA = IPA, Rerata_SKS = range3 [19.500...	Gender, Asisten	0.100	1	1	-0.100
33	Gender, Jurusan_SMA = IPA, Rerata_SKS = range...	Asisten	0.100	1	1	-0.100
34	Jurusan_SMA = IPA, Asisten, Rerata_SKS = range...	Gender	0.100	1	1	-0.100
35	Gender, Rerata_SKS = range1 [-∞ - 18.500], Juru...	Asal_Sekolah	0.050	1	1	-0.050
36	Rerata_SKS = range1 [-∞ - 18.500], Asal_Sekolah...	Gender	0.050	1	1	-0.050
37	Asal_Sekolah, Jurusan_SMA = IPS, Rerata_SKS =...	Gender	0.050	1	1	-0.050
38	Gender, Asal_Sekolah, Asisten	Rerata_SKS = range3 [19.500 - ∞]	0.100	1	1	-0.100
39	Asal_Sekolah, Asisten, Rerata_SKS = range3 [19...	Gender	0.100	1	1	-0.100
40	Asal_Sekolah, Jurusan_SMA = LAIN	Gender, Asisten	0.050	1	1	-0.050
41	Gender, Asal_Sekolah, Jurusan_SMA = LAIN	Asisten	0.050	1	1	-0.050
42	Asisten, Jurusan_SMA = LAIN	Gender, Asal_Sekolah	0.050	1	1	-0.050
43	Gender, Asisten, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1	1	-0.050
44	Asal_Sekolah, Asisten, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0.050

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File Edit Process View Connections Settings Extensions Help

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 ExampleSet (Nominal2Binomial) ExampleSet (/Local Repository/Testing_Tugas) ExampleSet (/Local Repository/Training_Tugas)

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

Show rules matching all of these conclusions: ▾

Data Graph Description Annotations

Min. Criterion: confidence ▾ Min. Criterion Value:

No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain
45	Asal_Sekolah, Jurusan_SMA = LAIN	Gender, Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
46	Gender, Asal_Sekolah, Jurusan_SMA = LAIN	Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
47	Rerata_SKS = range3 [19.500 - ∞], Jurusan_SMA ...	Gender, Asal_Sekolah	0.050	1	1	-0.050
48	Gender, Rerata_SKS = range3 [19.500 - ∞], Juru...	Asal_Sekolah	0.050	1	1	-0.050
49	Asal_Sekolah, Rerata_SKS = range3 [19.500 - ∞],...	Gender	0.050	1	1	-0.050
50	Asisten, Jurusan_SMA = LAIN	Gender, Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
51	Gender, Asisten, Jurusan_SMA = LAIN	Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
52	Rerata_SKS = range3 [19.500 - ∞], Jurusan_SMA ...	Gender, Asisten	0.050	1	1	-0.050
53	Gender, Rerata_SKS = range3 [19.500 - ∞], Juru...	Asisten	0.050	1	1	-0.050
54	Asisten, Rerata_SKS = range3 [19.500 - ∞], Juru...	Gender	0.050	1	1	-0.050
55	Rerata_SKS = range1 [-∞ - 18.500], Asisten	Jurusan_SMA = IPA, Asal_Sekolah	0.050	1	1	-0.050
56	Jurusan_SMA = IPA, Rerata_SKS = range1 [-∞ - 1...	Asal_Sekolah	0.050	1	1	-0.050
57	Rerata_SKS = range1 [-∞ - 18.500], Asal_Sekolah...	Jurusan_SMA = IPA	0.050	1	1	-0.050
58	Jurusan_SMA = IPA, Asal_Sekolah, Rerata_SKS =...	Asisten	0.050	1	1	-0.050

RapidMiner Studio Free 9.3.001 @ LABSI-21-PC

File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model Find data, operators...etc All Studio

ExampleSet (/Local Repository/Data_Cuaca) ExampleSet (/Local Repository/Testing_Cuaca) ExampleSet (/Local Repository/Data_Cuaca)
 ExampleSet (Nominal2Binomial) ExampleSet (/Local Repository/Testing_Tugas) ExampleSet (/Local Repository/Training_Tugas)

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

Show rules matching all of these conclusions: ▾

Data Graph Description Annotations

Min. Criterion: confidence ▾
 Min. Criterion Value:

No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain
59	Asal_Sekolah, Jurusan_SMA = LAIN	Asisten, Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
60	Asisten, Jurusan_SMA = IPA	Asal_Sekolah, Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
61	Asal_Sekolah, Asisten, Jurusan_SMA = LAIN	Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
62	Rerata_SKS = range3 [19.500 - ∞], Jurusan_SMA ...	Asal_Sekolah, Asisten	0.050	1	1	-0.050
63	Asal_Sekolah, Rerata_SKS = range3 [19.500 - ∞], ...	Asisten	0.050	1	1	-0.050
64	Asisten, Rerata_SKS = range3 [19.500 - ∞], Jurus...	Asal_Sekolah	0.050	1	1	-0.050
65	Gender, Jurusan_SMA = IPA, Asal_Sekolah, Asisten	Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
66	Jurusan_SMA = IPA, Asal_Sekolah, Rerata_SKS =...	Gender, Asisten	0.050	1	1	-0.050
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_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
70	Gender, Asal_Sekolah, Jurusan_SMA = LAIN	Asisten, Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
71	Asisten, Jurusan_SMA = LAIN	Gender, Asal_Sekolah, Rerata_SKS = range3 [19...	0.050	1	1	-0.050
72	Gender, Asisten, Jurusan_SMA = LAIN	Asal_Sekolah, Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050

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Views: Design Results Turbo Prep Auto Model Find data, operators...etc All Studio

ExampleSet (/Local Repository/Data_Cuaca) ExampleSet (/Local Repository/Testing_Cuaca) ExampleSet (/Local Repository/Data_Cuaca)
 ExampleSet (Nominal2Binomial) ExampleSet (/Local Repository/Testing_Tugas) ExampleSet (/Local Repository/Training_Tugas)

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

Show rules matching all of these conclusions: ▾

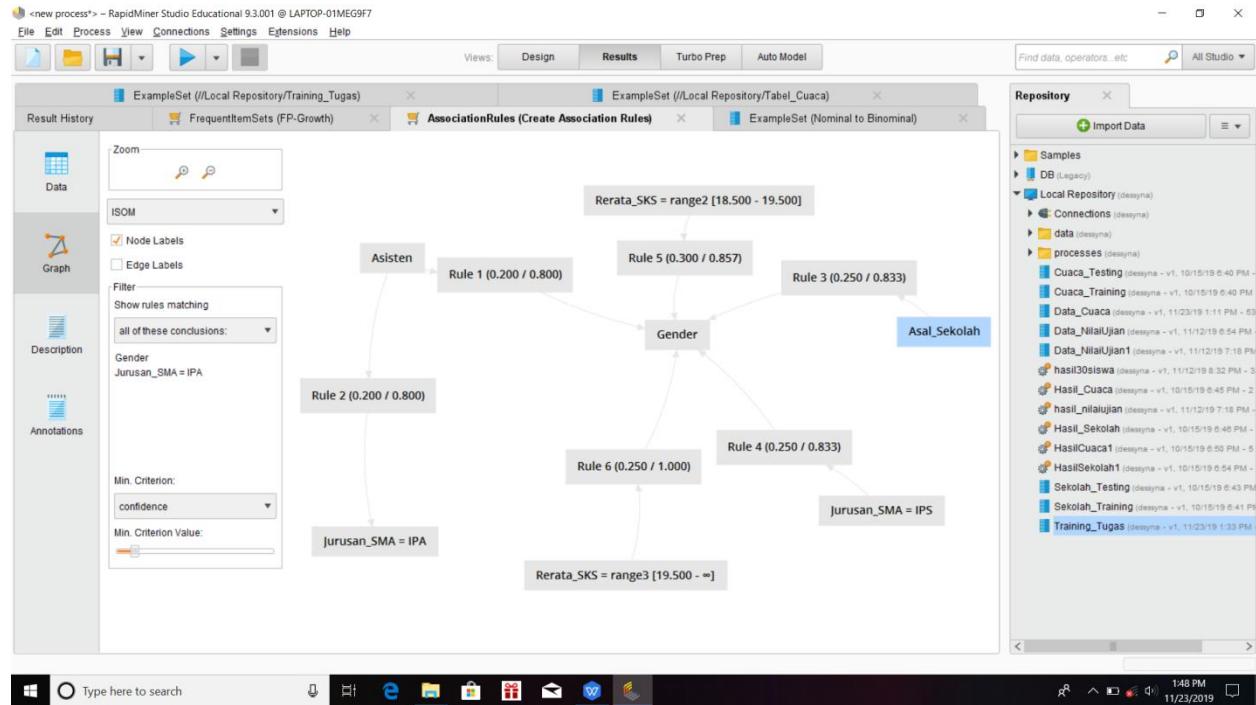
Data Graph Description Annotations

Min. Criterion: confidence ▾
 Min. Criterion Value:

No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain
68	Jurusan_SMA = IPA, Asal_Sekolah, Asisten, Rerat...	Gender	0.050	1	1	-0.050
69	Asal_Sekolah, Jurusan_SMA = LAIN	Gender, Asisten, Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
70	Gender, Asal_Sekolah, Jurusan_SMA = LAIN	Asisten, Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
71	Asisten, Jurusan_SMA = LAIN	Gender, Asal_Sekolah, Rerata_SKS = range3 [19...	0.050	1	1	-0.050
72	Gender, Asisten, Jurusan_SMA = LAIN	Asal_Sekolah, Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
73	Asal_Sekolah, Asisten, Jurusan_SMA = LAIN	Gender, Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
74	Gender, Asal_Sekolah, Asisten, Jurusan_SMA = L...	Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
75	Rerata_SKS = range3 [19.500 - ∞], Jurusan_SMA ...	Gender, Asal_Sekolah, Asisten	0.050	1	1	-0.050
76	Gender, Rerata_SKS = range3 [19.500 - ∞], Jurus...	Asal_Sekolah, Asisten	0.050	1	1	-0.050
77	Asal_Sekolah, Rerata_SKS = range3 [19.500 - ∞], ...	Gender, Asisten	0.050	1	1	-0.050
78	Gender, Asal_Sekolah, Rerata_SKS = range3 [19...	Asisten	0.050	1	1	-0.050
79	Asisten, Rerata_SKS = range3 [19.500 - ∞], Jurus...	Gender, Asal_Sekolah	0.050	1	1	-0.050
80	Gender, Asisten, Rerata_SKS = range3 [19.500 - ...	Asal_Sekolah	0.050	1	1	-0.050
81	Asal_Sekolah, Asisten, Rerata_SKS = range3 [19...	Gender	0.050	1	1	-0.050

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Graph View



c. ExampleSet (Nominal 2 Binomial) -- Charts View

