

Nama : Riza Frisnanda

NIM : L200170001

Kelas : A

The screenshot shows the RapidMiner Studio Free interface. The main window displays the 'RuleModel (Rule Induction)' view. On the left, there is a 'Description' panel containing the rule definition:

```
if Kelembapan_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.
```

The 'Annotations' panel is empty. The 'Repository' panel on the right shows a tree structure of local and cloud repositories, with several items listed under 'Local Repository'.

The screenshot shows the RapidMiner Studio Free interface. The main window displays the 'PerformanceVector (Performance)' view. On the left, there is a 'Performance' panel showing the accuracy criterion:

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%	

The 'Annotations' panel is empty. The 'Repository' panel on the right shows a tree structure of local and cloud repositories, with several items listed under 'Local Repository'.

RapidMiner Studio Free 9.0.003 @ LABSI-21-PC

File Edit Process View Connections Cloud Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Find data, operators, etc. All Studio

Repository

- Import Data
- Training Resources (connected)
 - Samples
 - Community Samples (connected)
 - DB
- Local Repository (LABSI-21)
 - Connections (LABSI-21)
 - data (LABSI-21)
 - processes (LABSI-21)
 - Asosiasi_Data_Cuaca (LABSI-21 - v1, 11/20/19 9:22 AM - 529 bytes)
 - Data_Cuaca (LABSI-21 - v1, 11/20/19 8:56 AM - 529 bytes)
 - Hasil_cuaca (LABSI-21 - v1, 11/20/19 9:10 AM - 5 kB)
 - Hasil_Tugas1 (LABSI-21 - v1, 11/20/19 9:46 AM - 5 kB)
 - Hasil_Tugas2 (LABSI-21 - v1, 11/20/19 10:18 AM - 5 kB)
 - Testing_Cuaca (LABSI-21 - v1, 11/20/19 8:58 AM - 357 bytes)
 - Testing_Tugas (LABSI-21 - v1, 11/20/19 9:39 AM - 485 bytes)
 - Training_Tugas (LABSI-21 - v1, 11/20/19 9:39 AM - 677 bytes)
 - wkwwk (LABSI-21 - v1, 11/20/19 10:43 AM - 528 bytes)
- Cloud Repository (disconnected)

No. of Sets: 26 Total Max. Size: 4

Annotations

Result History

FrequentItemSets (FP-Growth)

AssociationRules (Create Association Rules)

Size	Support	Item 1	Item 2	Item 3	Item 4
1	0.500	Kelembapan_Ud...			
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	Kelembapan_Ud...	Berangin		
2	0.214	Kelembapan_Ud...	Suhu		
2	0.214	Kelembapan_Ud...	Cuaca = Cerah		
2	0.143	Kelembapan_Ud...	Cuaca = Hujan		
2	0.143	Kelembapan_Ud...	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		

Update View



RapidMiner Studio Free 9.0.003 @ LABSI-21-PC

File Edit Process View Connections Cloud Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Find data, operators, etc. All Studio

Repository

- Import Data
- Training Resources (connected)
 - Samples
 - Community Samples (connected)
 - DB
- Local Repository (LABSI-21)
 - Connections (LABSI-21)
 - data (LABSI-21)
 - processes (LABSI-21)
 - Asosiasi_Data_Cuaca (LABSI-21 - v1, 11/20/19 9:22 AM - 529 bytes)
 - Data_Cuaca (LABSI-21 - v1, 11/20/19 8:56 AM - 529 bytes)
 - Hasil_cuaca (LABSI-21 - v1, 11/20/19 9:10 AM - 5 kB)
 - Hasil_Tugas1 (LABSI-21 - v1, 11/20/19 9:46 AM - 5 kB)
 - Hasil_Tugas2 (LABSI-21 - v1, 11/20/19 10:18 AM - 5 kB)
 - Testing_Cuaca (LABSI-21 - v1, 11/20/19 8:58 AM - 357 bytes)
 - Testing_Tugas (LABSI-21 - v1, 11/20/19 9:39 AM - 485 bytes)
 - Training_Tugas (LABSI-21 - v1, 11/20/19 9:39 AM - 677 bytes)
 - wkwwk (LABSI-21 - v1, 11/20/19 10:43 AM - 528 bytes)
- Cloud Repository (disconnected)

No. of Sets: 26 Total Max. Size: 4

Annotations

Result History

FrequentItemSets (FP-Growth)

AssociationRules (Create Association Rules)

Size	Support	Item 1	Item 2	Item 3	Item 4
2	0.143	Berangin	Suhu		
2	0.143	Berangin	Cuaca = Cerah		
2	0.143	Berangin	Cuaca = Hujan		
2	0.143	Berangin	Cuaca = Mendung		
2	0.214	Suhu	Cuaca = Cerah		
2	0.071	Suhu	Cuaca = Hujan		
2	0.143	Suhu	Cuaca = Mendung		
3	0.071	Kelembapan_Ud...	Berangin	Suhu	
3	0.071	Kelembapan_Ud...	Berangin	Cuaca = Cerah	
3	0.071	Kelembapan_Ud...	Berangin	Cuaca = Hujan	
3	0.071	Kelembapan_Ud...	Berangin	Cuaca = Mendung	
3	0.143	Kelembapan_Ud...	Suhu	Cuaca = Cerah	
3	0.071	Kelembapan_Ud...	Suhu	Cuaca = Mendung	
3	0.143	Berangin	Suhu	Cuaca = Cerah	
4	0.071	Kelembapan_Ud...	Berangin	Suhu	Cuaca = Cerah

Update View



RapidMiner Studio Free 9.0.003 @ LABSI-21-PC

File Edit Process View Connections Cloud Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Repository Import Data

ExampleSet (Nominal to Binomial) ExampleSet (/Local Repository/wkwkw)

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

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

Data Graph Description Annotations

Show rules matching any of these conclusions: Suhu Cuaca = Cerah

Min. Criterion: confidence

Min. Criterion Value:

10:58 AM 11/20/2019

RapidMiner Studio Free 9.0.003 @ LABSI-21-PC

File Edit Process View Connections Cloud Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Repository Import Data

ExampleSet (Nominal to Binomial) ExampleSet (/Local Repository/wkwkw)

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

Zoom ISOM

Node Labels Edge Labels

Filter Show rules matching all of these conclusions: Suhu Cuaca = Cerah

Rule 2 (0.143 / 1.000)

Rule 4 (0.071 / 1.000)

Suhu | Cuaca = Cerah

Kelembapan_Udara

Rule 1 (0.143 / 1.000)

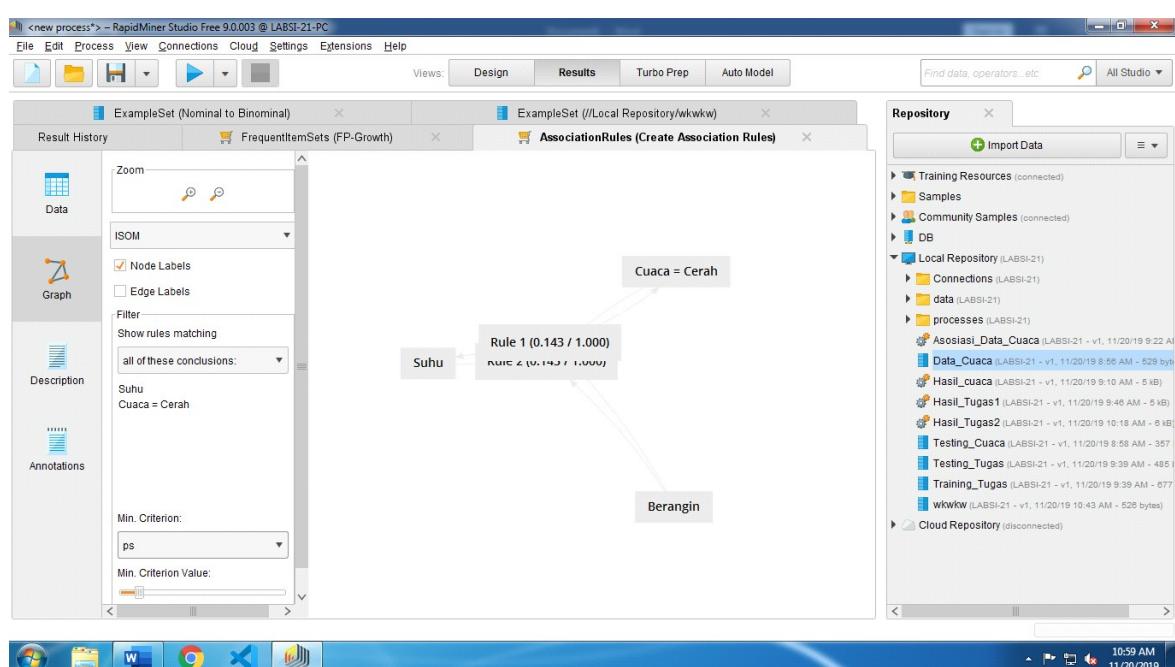
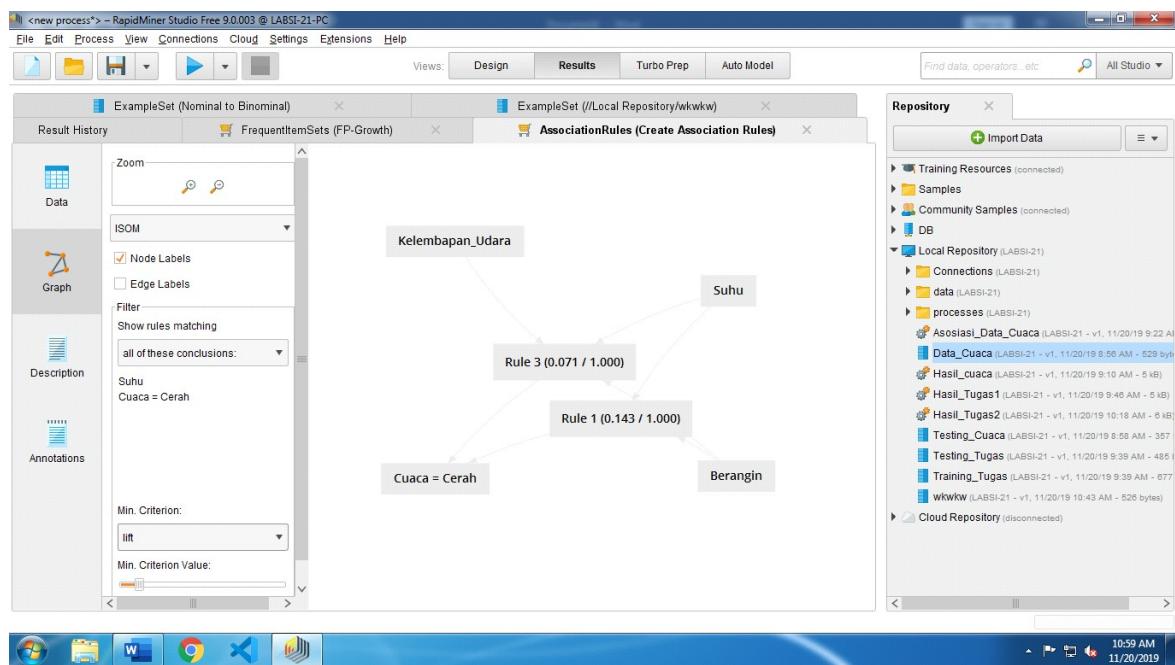
Rule 3 (0.071 / 1.000)

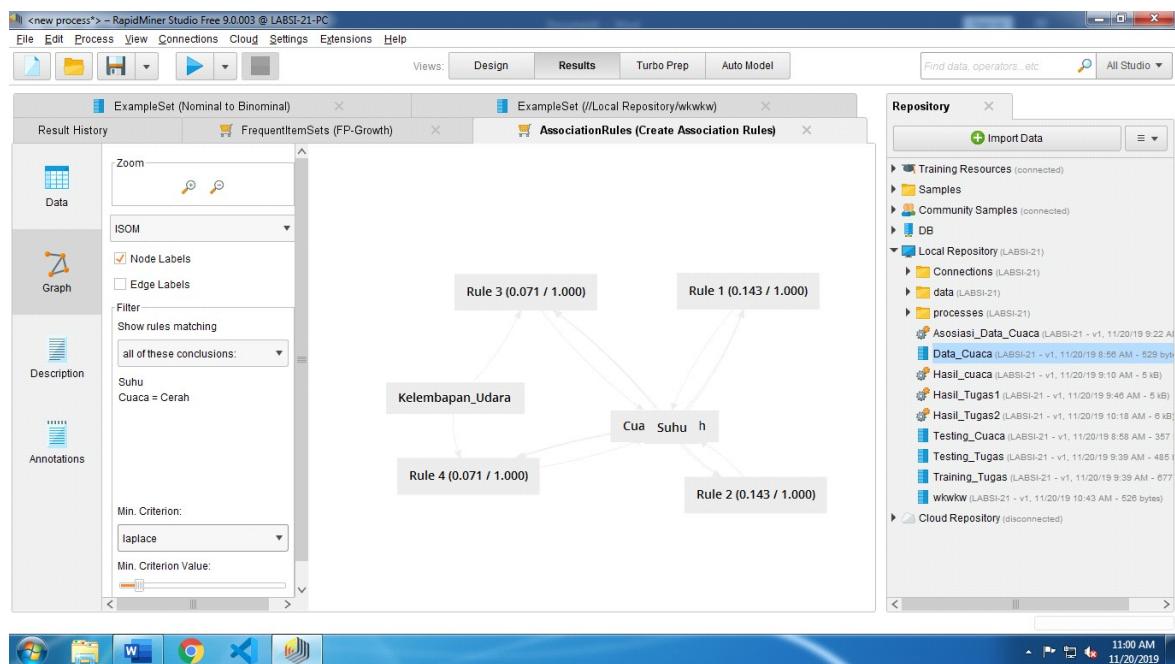
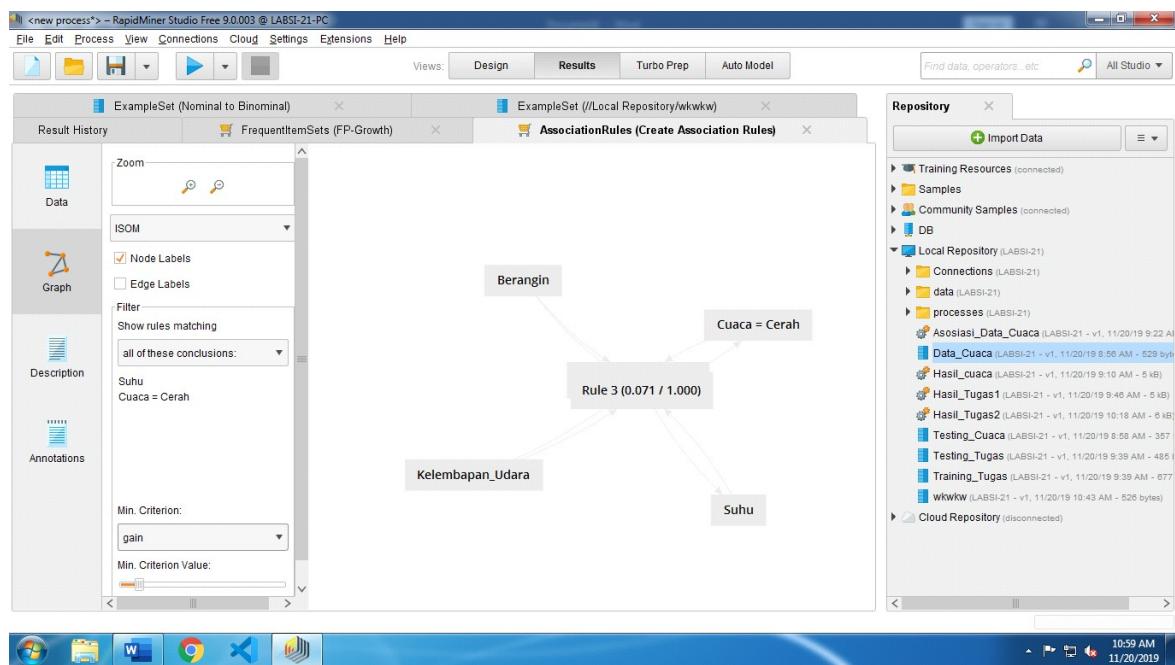
Data Graph Description Annotations

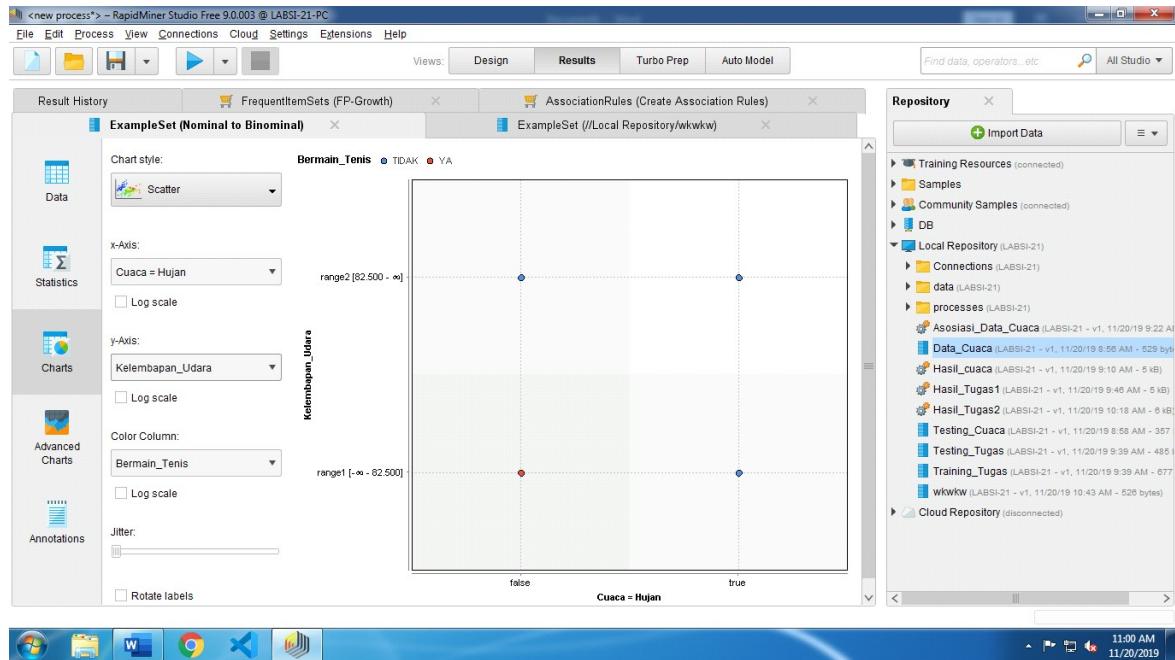
Min. Criterion: confidence

Min. Criterion Value:

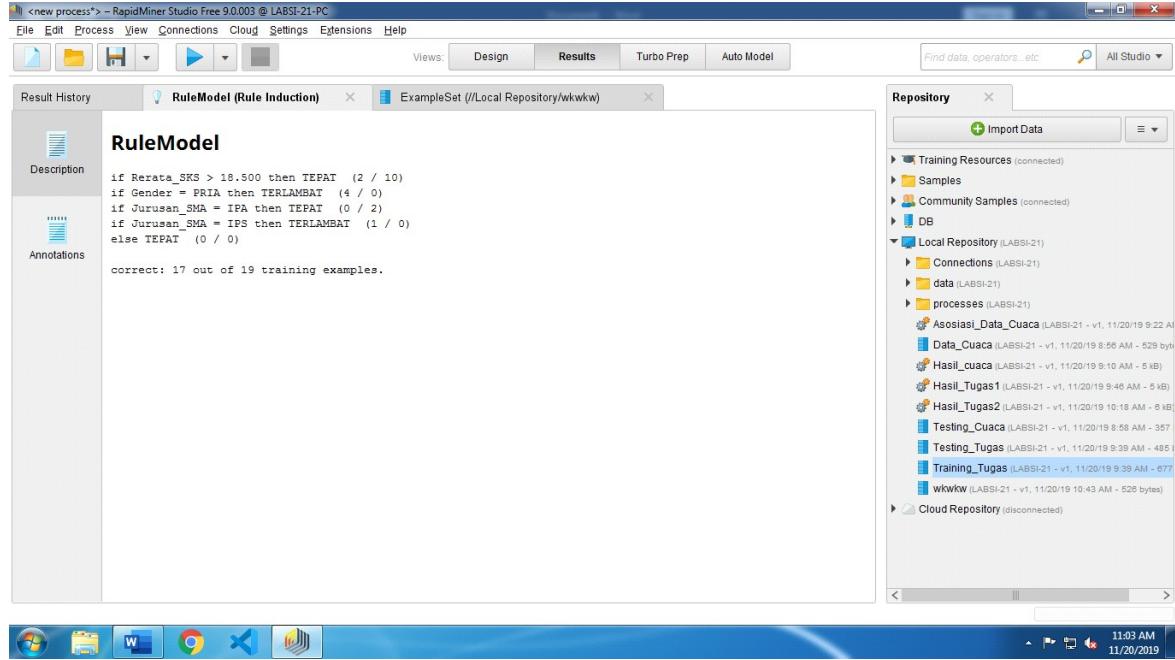
10:59 AM 11/20/2019







Tugas



RapidMiner Studio Free 9.0.003 @ LABSI-21-PC

File Edit Process View Connections Cloud Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

RuleModel (Rule Induction) ExampleSet (/Local Repository/wkwkw)

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%	

Repository

- Import Data
- Training Resources (connected)
 - Samples
 - Community Samples (connected)
 - DB
- Local Repository (LABSI-21)
 - Connections (LABSI-21)
 - data (LABSI-21)
 - processes (LABSI-21)
 - Asosiasi_Data_Cuaca (LABSI-21 - v1, 11/20/19 9:22 AM - 529 bytes)
 - Data_Cuaca (LABSI-21 - v1, 11/20/19 8:56 AM - 529 bytes)
 - Hasil_cuaca (LABSI-21 - v1, 11/20/19 9:10 AM - 5 kB)
 - Hasil_Tugas1 (LABSI-21 - v1, 11/20/19 9:46 AM - 5 kB)
 - Hasil_Tugas2 (LABSI-21 - v1, 11/20/19 10:18 AM - 5 kB)
 - Testing_Cuaca (LABSI-21 - v1, 11/20/19 8:58 AM - 357 bytes)
 - Testing_Tugas (LABSI-21 - v1, 11/20/19 9:39 AM - 485 bytes)
 - Training_Tugas (LABSI-21 - v1, 11/20/19 9:39 AM - 877 bytes)
 - wkwkw (LABSI-21 - v1, 11/20/19 10:43 AM - 528 bytes)
- Cloud Repository (disconnected)

11:11 AM 11/20/2019

RapidMiner Studio Free 9.0.003 @ LABSI-21-PC

File Edit Process View Connections Cloud Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

ExampleSet (Nominal to Binomial) ExampleSet (/Local Repository/wkwkw)

Result History

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

Data

No. of Sets: 85 Total Max. Size: 5

Annotations

Size Support Item 1 Item 2 Item 3 Item 4 Item 5

1	0.750	Gender				
1	0.500	Jurusan_SMA ...				
1	0.400	Rerata_SKS =...				
1	0.350	Rerata_SKS =...				
1	0.300	Asal_Sekolah				
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	0.200	Gender	Rerata_SKS =...			
2	0.300	Gender	Rerata_SKS =...			
2	0.250	Gender	Asal_Sekolah			
2	0.250	Gender	Jurusan_SMA ...			
2	0.200	Gender	Asisten			

Repository

- Import Data
- Training Resources (connected)
 - Samples
 - Community Samples (connected)
 - DB
- Local Repository (LABSI-21)
 - Connections (LABSI-21)
 - data (LABSI-21)
 - processes (LABSI-21)
 - Asosiasi_Data_Cuaca (LABSI-21 - v1, 11/20/19 9:22 AM - 529 bytes)
 - Data_Cuaca (LABSI-21 - v1, 11/20/19 8:56 AM - 529 bytes)
 - Hasil_cuaca (LABSI-21 - v1, 11/20/19 9:10 AM - 5 kB)
 - Hasil_Tugas1 (LABSI-21 - v1, 11/20/19 9:46 AM - 5 kB)
 - Hasil_Tugas2 (LABSI-21 - v1, 11/20/19 10:18 AM - 5 kB)
 - Testing_Cuaca (LABSI-21 - v1, 11/20/19 8:58 AM - 357 bytes)
 - Testing_Tugas (LABSI-21 - v1, 11/20/19 9:39 AM - 485 bytes)
 - Training_Tugas (LABSI-21 - v1, 11/20/19 9:39 AM - 877 bytes)
 - wkwkw (LABSI-21 - v1, 11/20/19 10:43 AM - 528 bytes)
- Cloud Repository (disconnected)

11:14 AM 11/20/2019

RapidMiner Studio Free 9.0.003 @ LABSI-21-PC

File Edit Process View Connections Cloud Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Repository Import Data

Training Resources (connected)

- Samples
- Community Samples (connected)
- DB
- Local Repository (LABSI-21)
 - Connections (LABSI-21)
 - data (LABSI-21)
 - processes (LABSI-21)
 - Asosiasi_Data_Cuaca (LABSI-21 - v1, 11/20/19 9:22 AM - 529 bytes)
 - Data_Cuaca (LABSI-21 - v1, 11/20/19 8:56 AM - 529 bytes)
 - Hasil_cuaca (LABSI-21 - v1, 11/20/19 9:10 AM - 5 kB)
 - Hasil_Tugas1 (LABSI-21 - v1, 11/20/19 9:46 AM - 5 kB)
 - Hasil_Tugas2 (LABSI-21 - v1, 11/20/19 10:18 AM - 5 kB)
 - Testing_Cuaca (LABSI-21 - v1, 11/20/19 8:58 AM - 357 bytes)
 - Testing_Tugas (LABSI-21 - v1, 11/20/19 9:39 AM - 485 bytes)
 - Training_Tugas (LABSI-21 - v1, 11/20/19 9:39 AM - 877 bytes)
 - wkwwk (LABSI-21 - v1, 11/20/19 10:43 AM - 528 bytes)
- Cloud Repository (disconnected)

11:14 AM 11/20/2019

ExampleSet (Nominal to Binomial) **ExampleSet (/Local Repository/wkwwk)**

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

No. of Sets: 85 Total Max. Size: 5

Size Support Item 1 Item 2 Item 3 Item 4 Item 5

2	0.350	Gender	Jurusan_SMA ...			
2	0.200	Gender	Rerata_SKS =...			
2	0.300	Gender	Rerata_SKS =...			
2	0.250	Gender	Asal_Sekolah			
2	0.250	Gender	Jurusan_SMA ...			
2	0.200	Gender	Asisten			
2	0.250	Gender	Rerata_SKS =...			
2	0.150	Gender	Jurusan_SMA ...			
2	0.200	Jurusan_SMA ...	Rerata_SKS =...			
2	0.200	Jurusan_SMA ...	Rerata_SKS =...			
2	0.150	Jurusan_SMA ...	Asal_Sekolah			
2	0.200	Jurusan_SMA ...	Asisten			
2	0.100	Jurusan_SMA ...	Rerata_SKS =...			
2	0.150	Rerata_SKS =...	Asal_Sekolah			
2	0.100	Rerata_SKS =...	Jurusan_SMA ...			
2	0.050	Rerata_SKS =...	Asisten			

Data Annotations

No. of Sets: 13 Total Max. Size: 2

Size Support Item 1 Item 2

1	0.750	Gender	
1	0.500	Jurusan_SMA = IPA	
1	0.400	Rerata_SKS = range1 [-> - 1...	
1	0.350	Rerata_SKS = range2 [18.50...	
1	0.300	Asal_Sekolah	
1	0.300	Jurusan_SMA = IPS	
1	0.250	Asisten	
1	0.250	Rerata_SKS = range3 [19.50...	
2	0.350	Gender	Jurusan_SMA = IPA
2	0.300	Gender	Rerata_SKS = range2 [18.50...
2	0.250	Gender	Asal_Sekolah
2	0.250	Gender	Jurusan_SMA = IPS
2	0.250	Gender	Rerata_SKS = range3 [19.50...

Show annotations of the data

Update View

RapidMiner Studio Free 9.0.003 @ LABSI-21-PC

File Edit Process View Connections Cloud Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Repository Import Data

Training Resources (connected)

- Samples
- Community Samples (connected)
- DB
- Local Repository (LABSI-21)
 - Connections (LABSI-21)
 - data (LABSI-21)
 - processes (LABSI-21)
 - Asosiasi_Data_Cuaca (LABSI-21 - v1, 11/20/19 9:22 AM - 529 bytes)
 - Data_Cuaca (LABSI-21 - v1, 11/20/19 8:56 AM - 529 bytes)
 - Hasil_cuaca (LABSI-21 - v1, 11/20/19 9:10 AM - 5 kB)
 - Hasil_Tugas1 (LABSI-21 - v1, 11/20/19 9:46 AM - 5 kB)
 - Hasil_Tugas2 (LABSI-21 - v1, 11/20/19 10:18 AM - 5 kB)
 - Testing_Cuaca (LABSI-21 - v1, 11/20/19 8:58 AM - 357 bytes)
 - Testing_Tugas (LABSI-21 - v1, 11/20/19 9:39 AM - 485 bytes)
 - Training_Tugas (LABSI-21 - v1, 11/20/19 9:39 AM - 877 bytes)
 - wkwwk (LABSI-21 - v1, 11/20/19 10:43 AM - 528 bytes)
- Cloud Repository (disconnected)

11:16 AM 11/20/2019

ExampleSet (Nominal to Binomial) **ExampleSet (/Local Repository/wkwwk)**

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

No. of Sets: 13 Total Max. Size: 2

Size Support Item 1 Item 2

1	0.750	Gender	
1	0.500	Jurusan_SMA = IPA	
1	0.400	Rerata_SKS = range1 [-> - 1...	
1	0.350	Rerata_SKS = range2 [18.50...	
1	0.300	Asal_Sekolah	
1	0.300	Jurusan_SMA = IPS	
1	0.250	Asisten	
1	0.250	Rerata_SKS = range3 [19.50...	
2	0.350	Gender	Jurusan_SMA = IPA
2	0.300	Gender	Rerata_SKS = range2 [18.50...
2	0.250	Gender	Asal_Sekolah
2	0.250	Gender	Jurusan_SMA = IPS
2	0.250	Gender	Rerata_SKS = range3 [19.50...

Data Annotations

No. of Sets: 13 Total Max. Size: 2

Size Support Item 1 Item 2

1	0.750	Gender	
1	0.500	Jurusan_SMA = IPA	
1	0.400	Rerata_SKS = range1 [-> - 1...	
1	0.350	Rerata_SKS = range2 [18.50...	
1	0.300	Asal_Sekolah	
1	0.300	Jurusan_SMA = IPS	
1	0.250	Asisten	
1	0.250	Rerata_SKS = range3 [19.50...	
2	0.350	Gender	Jurusan_SMA = IPA
2	0.300	Gender	Rerata_SKS = range2 [18.50...
2	0.250	Gender	Asal_Sekolah
2	0.250	Gender	Jurusan_SMA = IPS
2	0.250	Gender	Rerata_SKS = range3 [19.50...

Show annotations of the data

Update View

RapidMiner Studio Free 9.0.003 @ LABSI-21-PC

File Edit Process View Connections Cloud Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Find data, operators, etc. All Studio

Repository

Import Data

Training Resources (connected)

- Samples
- Community Samples (connected)
- DB
- Local Repository (LABSI-21)
 - Connections (LABSI-21)
 - data (LABSI-21)
 - processes (LABSI-21)
 - Asosiasi_Data_Cuaca (LABSI-21 - v1, 11/20/19 9:22 AM - 529 bytes)
 - Data_Cuaca (LABSI-21 - v1, 11/20/19 8:56 AM - 529 bytes)
 - Hasil_cuaca (LABSI-21 - v1, 11/20/19 9:10 AM - 5 kB)
 - Hasil_Tugas1 (LABSI-21 - v1, 11/20/19 9:46 AM - 5 kB)
 - Hasil_Tugas2 (LABSI-21 - v1, 11/20/19 10:18 AM - 8 kB)
 - Testing_Cuaca (LABSI-21 - v1, 11/20/19 8:58 AM - 357 bytes)
 - Testing_Tugas (LABSI-21 - v1, 11/20/19 9:39 AM - 485 bytes)
 - Training_Tugas (LABSI-21 - v1, 11/20/19 9:39 AM - 877 bytes)
 - wkwkw (LABSI-21 - v1, 11/20/19 10:43 AM - 528 bytes)
- Cloud Repository (disconnected)

Result History

FrequentItemSets (FP-Growth)

AssociationRules (Create Association Rules)

No. of Sets: 10 Total Max. Size: 2

Annotations

Size Support Item 1 Item 2

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	
2	0.350	Gender	Jurusan_SMA = IPA
2	0.250	Gender	Asal_Sekolah
2	0.250	Gender	Jurusan_SMA = IPS
2	0.250	Gender	Rerata_SKS

Update View

