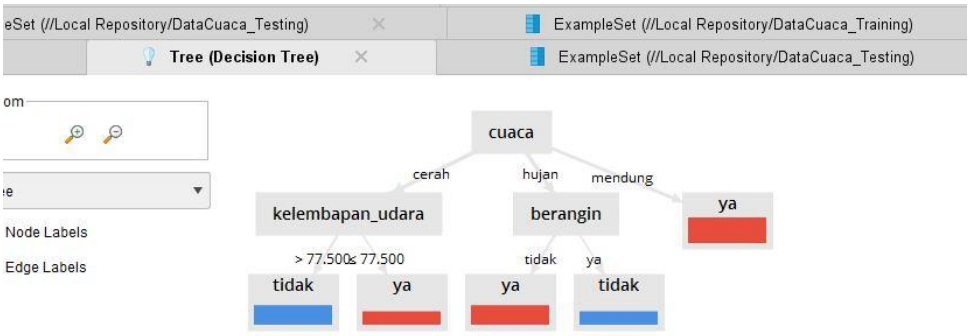
NAMA : YOGA TRI PRIHATIN

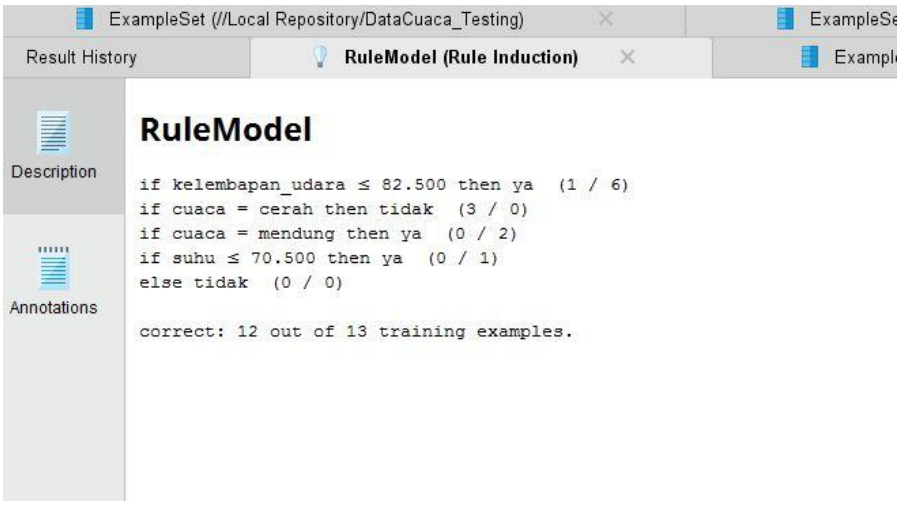
NIM : L200171050

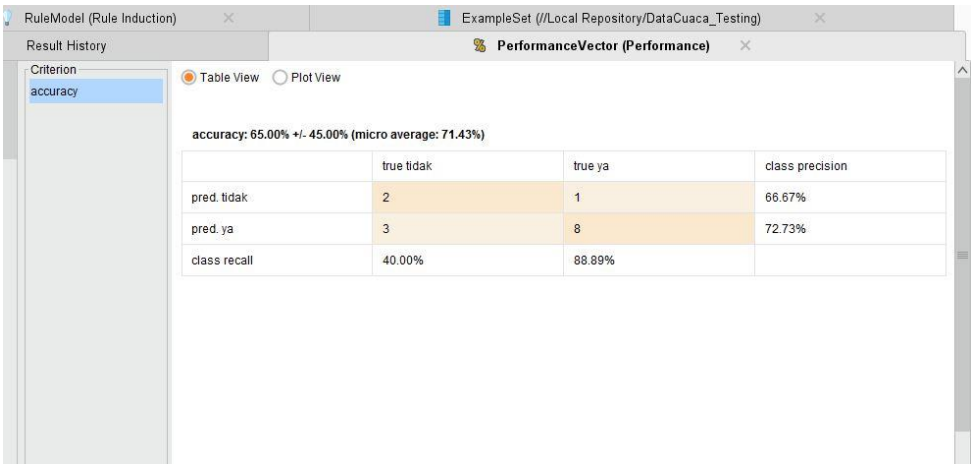
KELAS : F

Modul 11

INDUKSI ATURAN DATA CUACA

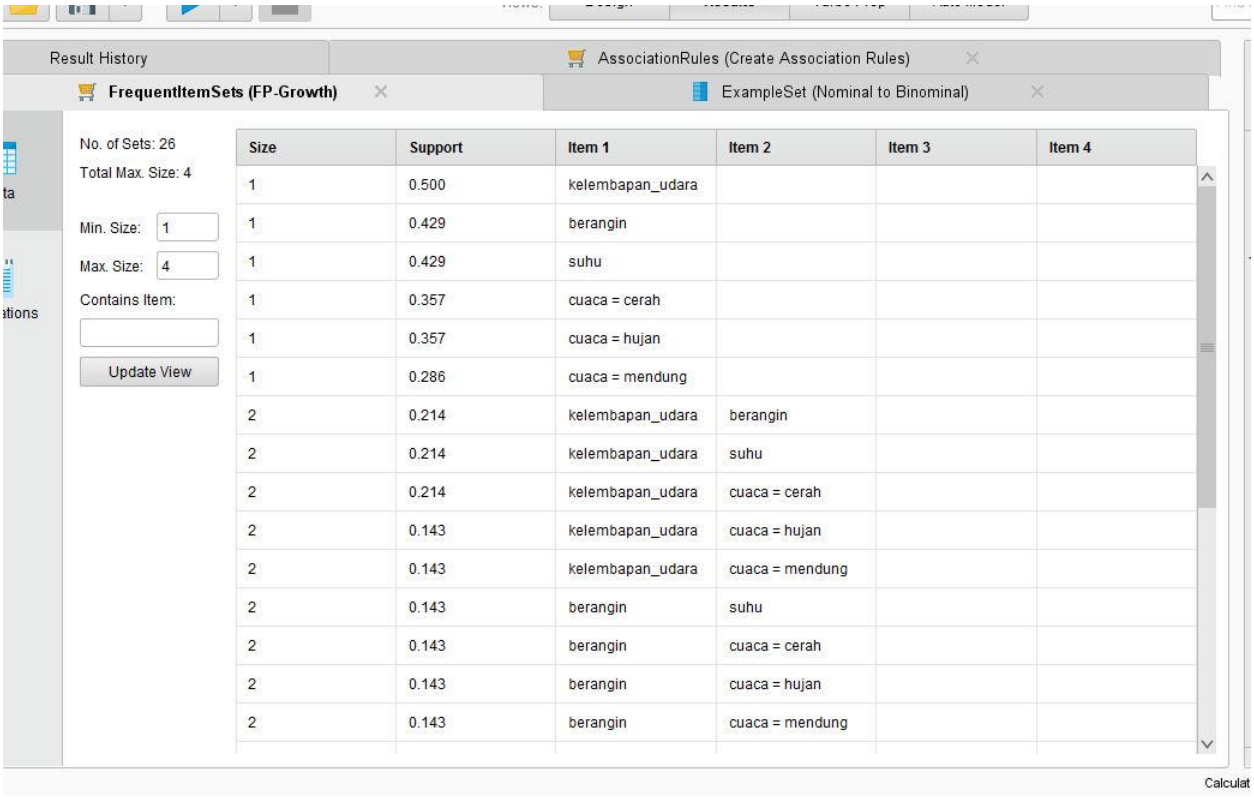




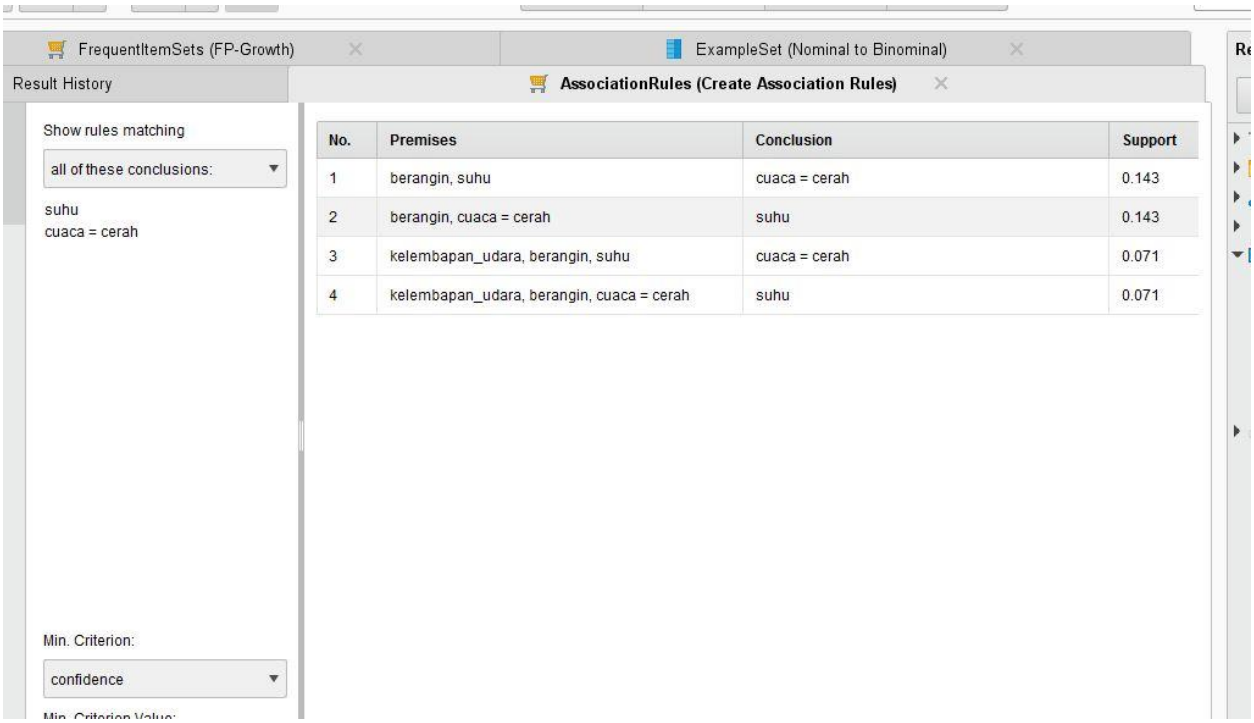


ATURAN ASOSIASI DATA CUACA

a. Frequent Item Set (FF-Growth)

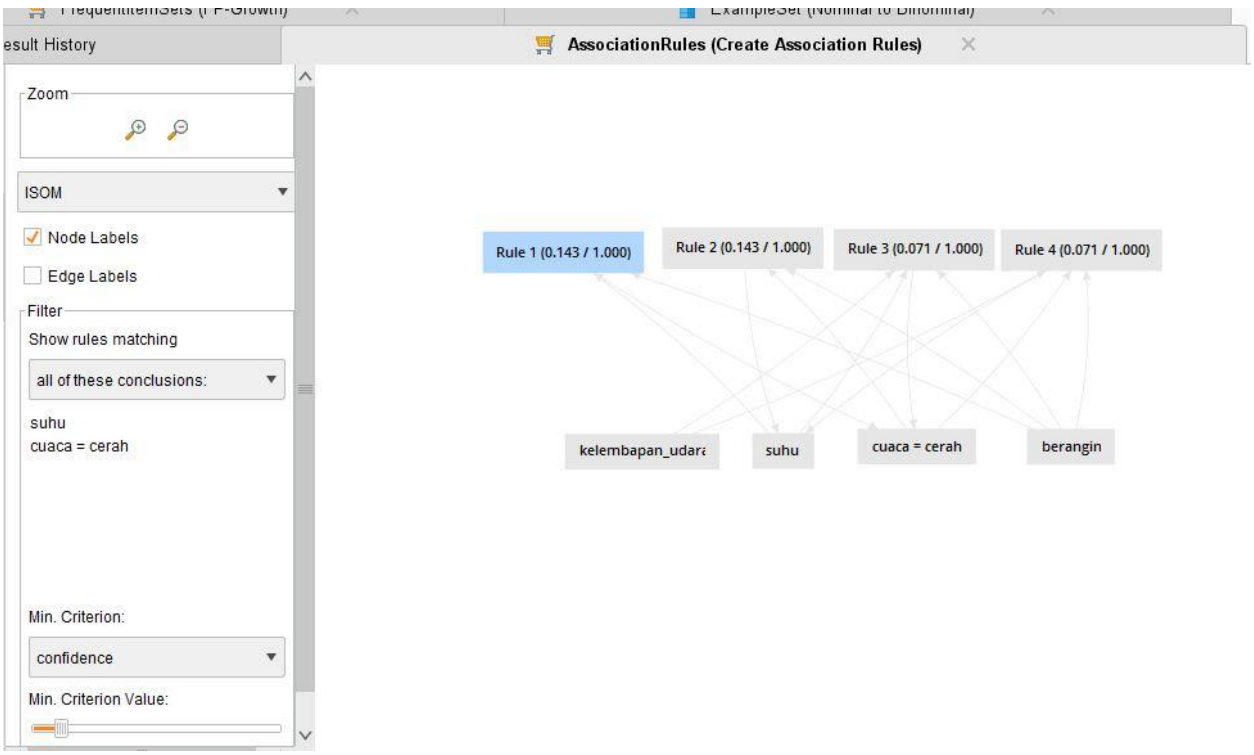


b. Association Rules

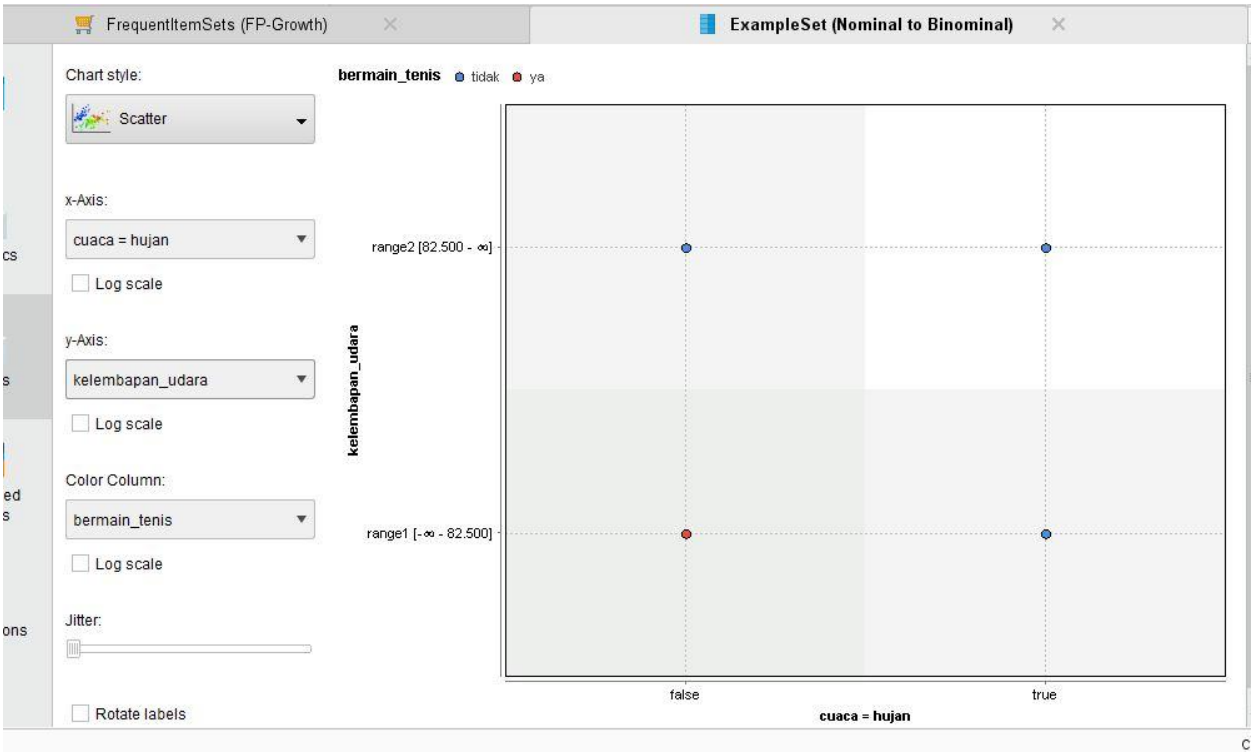


No.	Premises	Conclusion	Support
1	berangin, suhu	cuaca = cerah	0.143
2	berangin, cuaca = cerah	suhu	0.143
3	kelembapan_udara, berangin, suhu	cuaca = cerah	0.071
4	kelembapan_udara, berangin, cuaca = cerah	suhu	0.071

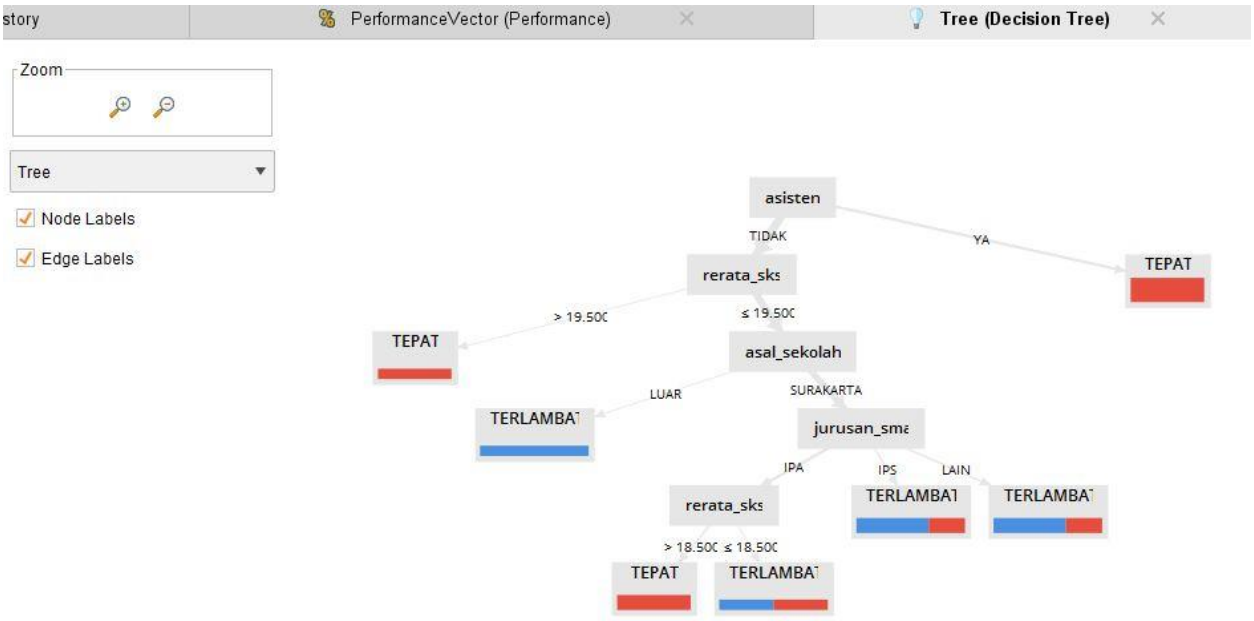
c. Graph View

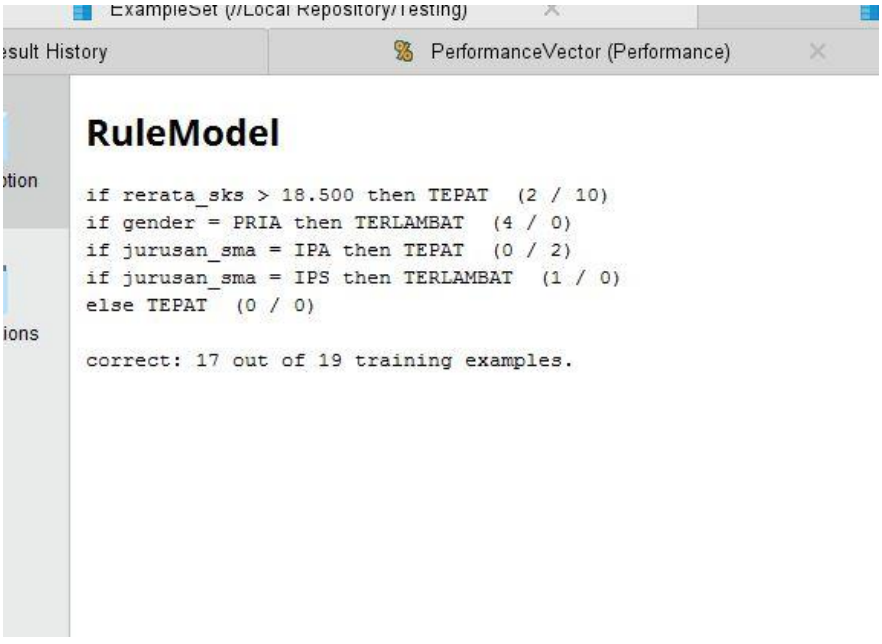


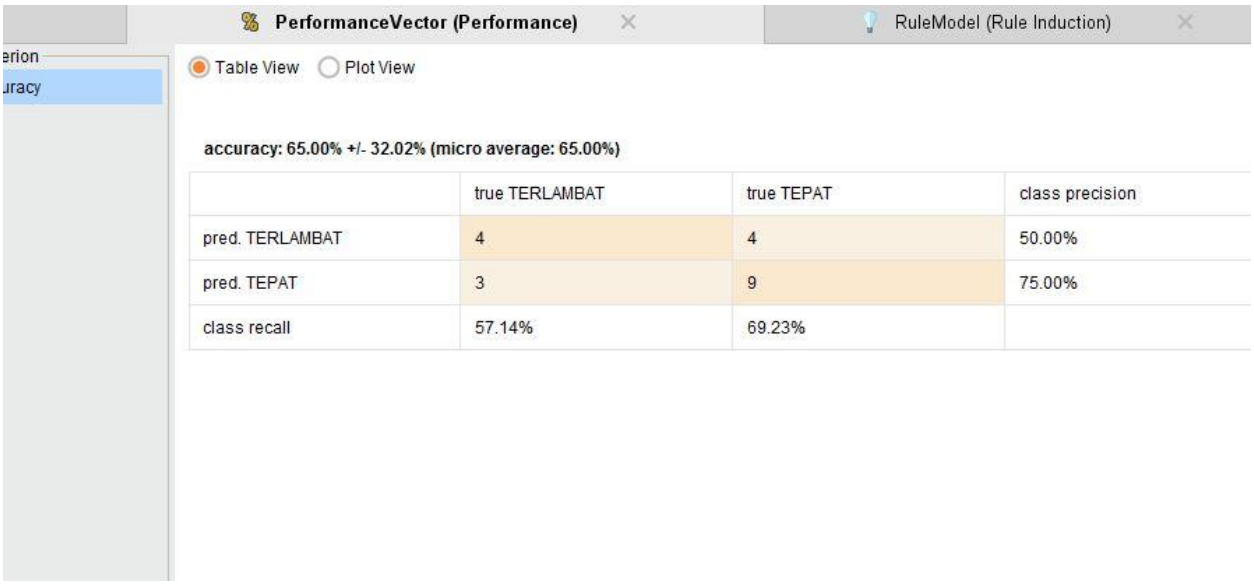
d. ExamplSet


FrequentItemSets (FP-Growth)
ExampleSet (Nominal to Binominal)
Chart style:
Scatter
x-Axis:
cuaca = hujan
Log scale
y-Axis:
kelembapan_udara
Log scale
Color Column:
bermain_tenis
Log scale
Jitter:
Rotate labels
bermain_tenis
tidak
ya
range2 [82.500 - ∞]
range1 [-∞ - 82.500]
kelembapan_udara
false
true
cuaca = hujan

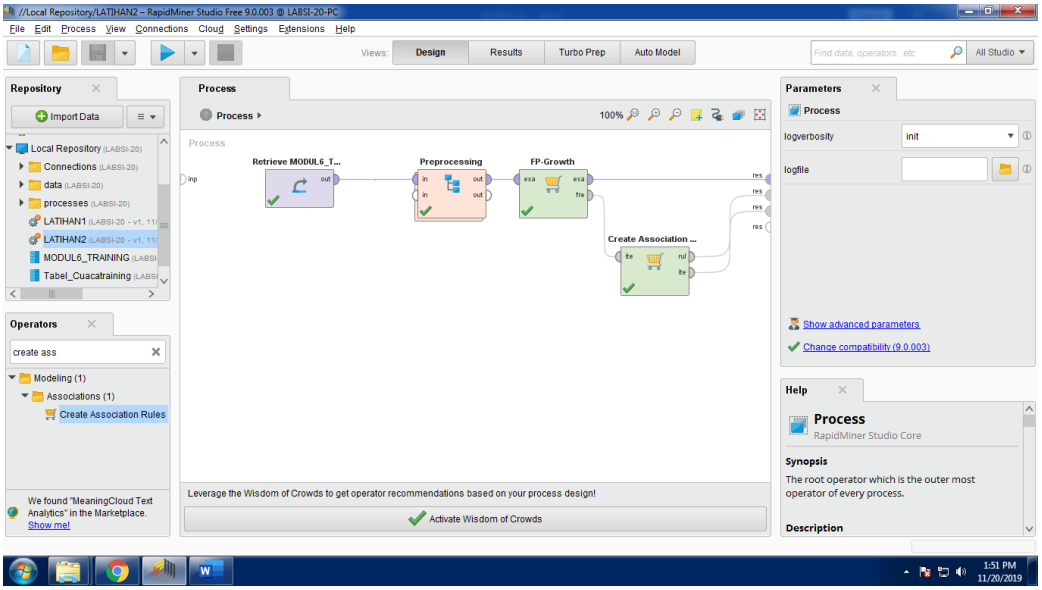
TUGAS 1

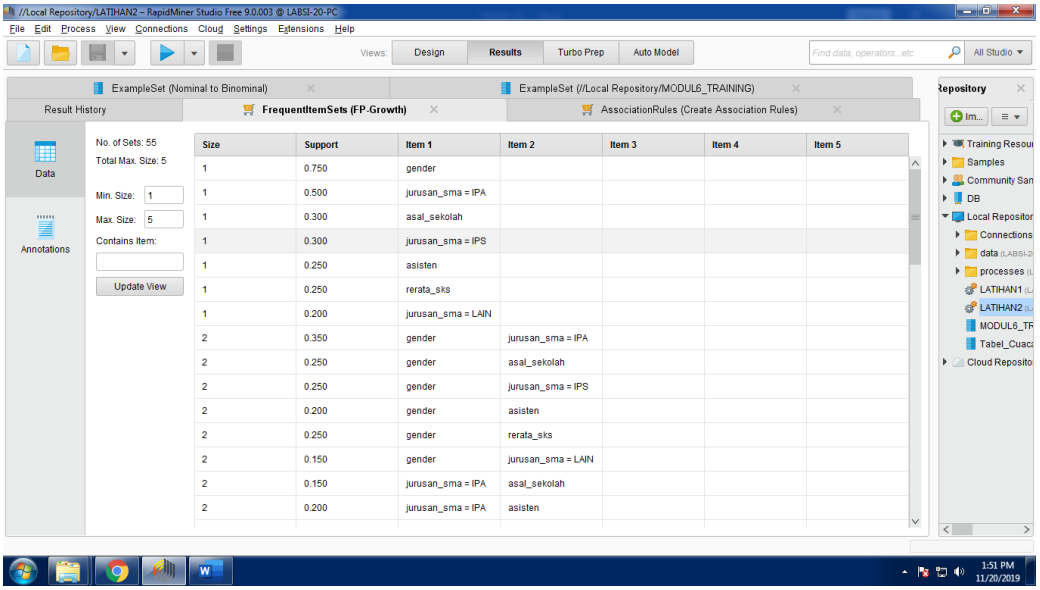

story
PerformanceVector (Performance)
Tree (Decision Tree)
Zoom
Tree
Node Labels
Edge Labels
asisten
TIDAK
YA
TEPAT
rerata_sks
> 19.500
≤ 19.500
TEPAT
asal_sekolah
LUAR
SURAKARTA
TERLAMBAT
jurusan_sma
IPA
IPS
LAIN
rerata_sks
TERLAMBAT
TERLAMBAT
> 18.500
≤ 18.500
TEPAT
TERLAMBAT

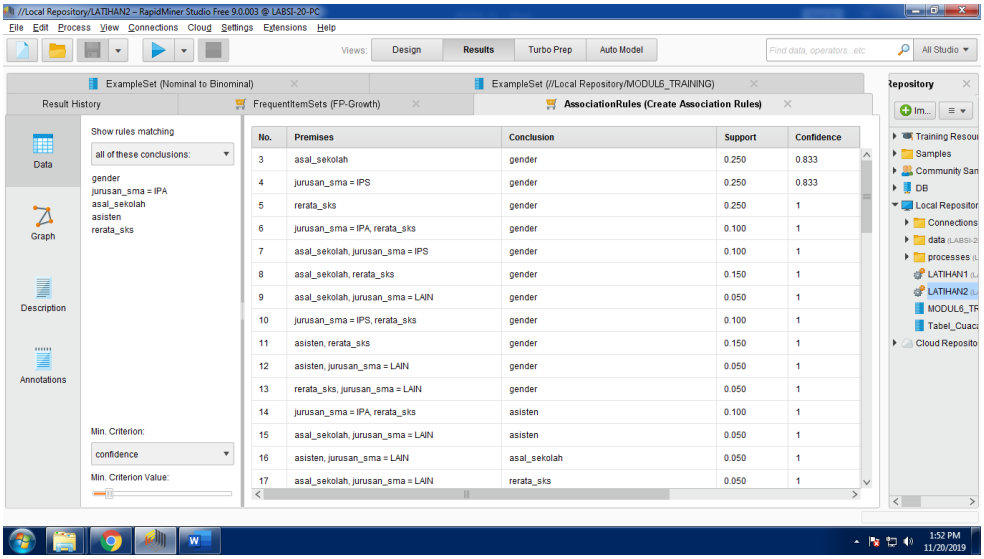

ExampleSet (/Local Repository/Testing)
esult History
PerformanceVector (Performance)
RuleModel
if rerata_sks > 18.500 then TEPAT (2 / 10)
if gender = PRIA then TERLAMBAT (4 / 0)
if jurusan_sma = IPA then TEPAT (0 / 2)
if jurusan_sma = IPS then TERLAMBAT (1 / 0)
else TEPAT (0 / 0)
correct: 17 out of 19 training examples.


PerformanceVector (Performance)
RuleModel (Rule Induction)
erion
uracy
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%

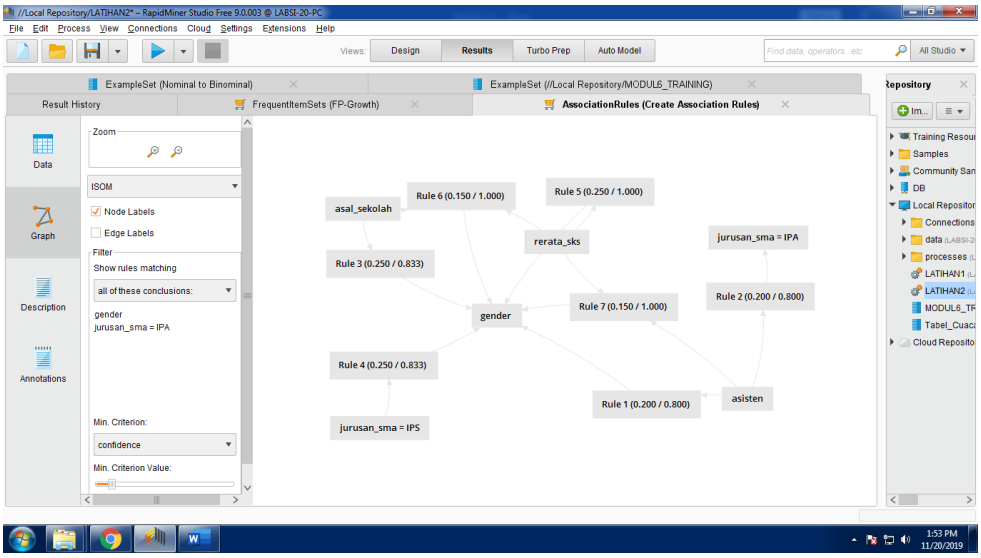
TUGAS 2

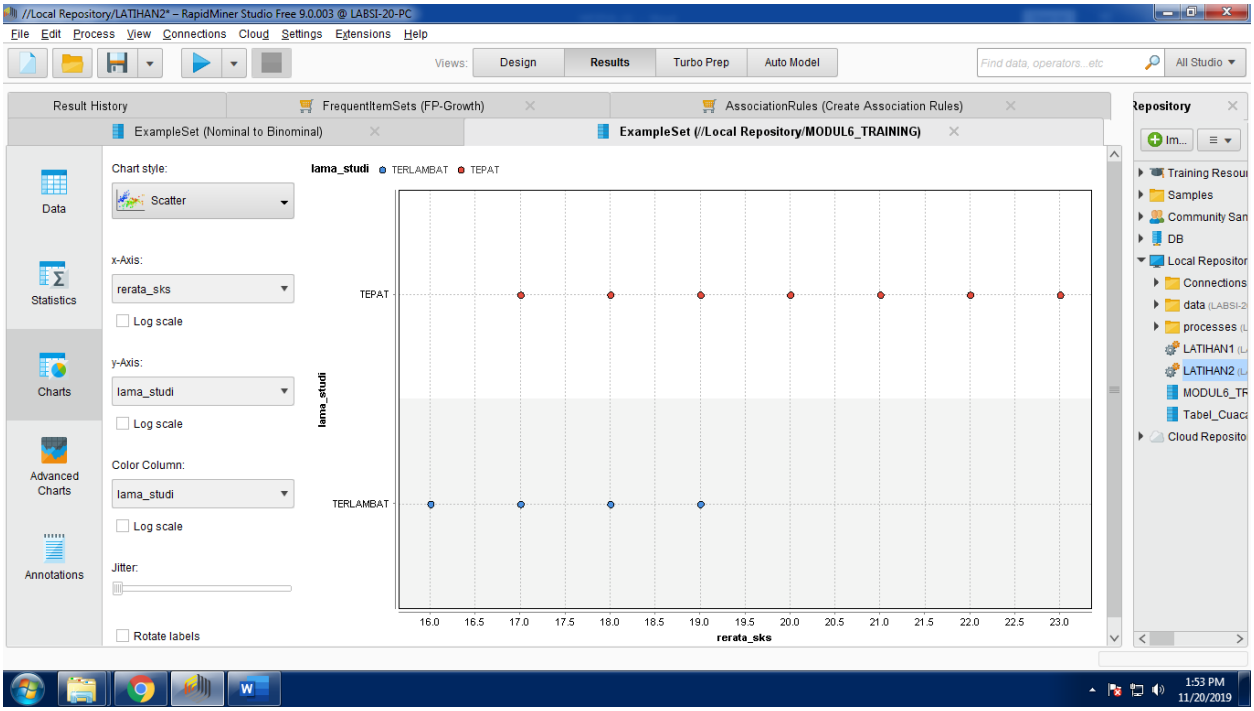

//Local Repository/LATIHAN2 – RapidMiner Studio Free 9.0.003 @ LABSI-20-PC
File Edit Process View Connections Cloud Settings Extensions Help
Views: Design Results Turbo Prep Auto Model
Repository
Import Data
Local Repository (LABSI-20)
Connections (LABSI-20)
data (LABSI-20)
processes (LABSI-20)
LATIHAN1 (LABSI-20 - v1, 11/
LATIHAN2 (LABSI-20 - v1, 11/
MODUL6_TRAINING (LABSI
Tabel_Cuacatraining (LABSI
Operators
create ass
Modeling (1)
Associations (1)
Create Association Rules
We found "MeaningCloud Text Analytics" in the Marketplace.
Show me!
Process
Process
100%
Retrieve MODUL6_T...
Preprocessing
FP-Growth
Create Association ...
Leverage the Wisdom of Crowds to get operator recommendations based on your process design!
Activate Wisdom of Crowds
Parameters
Process
logverbosity
init
logfile
Show advanced parameters
Change compatibility (9.0.003)
Help
Process
RapidMiner Studio Core
Synopsis
The root operator which is the outer most operator of every process.
Description
1:51 PM
11/20/2019


//Local Repository/LATIHAN2 – RapidMiner Studio Free 9.0.003 @ LABSI-20-PC
File Edit Process View Connections Cloud Settings Extensions Help
Views: Design Results Turbo Prep Auto Model
ExampleSet (Nominal to Binominal)
ExampleSet (//Local Repository/MODUL6_TRAINING)
Result History
FrequentItemSets (FP-Growth)
AssociationRules (Create Association Rules)
Data
Annotations
No. of Sets: 55
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
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
Repository
Training Resou
Samples
Community San
DB
Local Repositor
Connections
data
processes
LATIHAN1
LATIHAN2
MODUL6_TR
Tabel_Cuac
Cloud Reposito
1:51 PM
11/20/2019



No.	Premises	Conclusion	Support	Confidence
3	asal_sekolah	gender	0.250	0.833
4	jurusan_sma = IPS	gender	0.250	0.833
5	rerata_sks	gender	0.250	1
6	jurusan_sma = IPA, rerata_sks	gender	0.100	1
7	asal_sekolah, jurusan_sma = IPS	gender	0.100	1
8	asal_sekolah, rerata_sks	gender	0.150	1
9	asal_sekolah, jurusan_sma = LAIN	gender	0.050	1
10	jurusan_sma = IPS, rerata_sks	gender	0.100	1
11	asisten, rerata_sks	gender	0.150	1
12	asisten, jurusan_sma = LAIN	gender	0.050	1
13	rerata_sks, jurusan_sma = LAIN	gender	0.050	1
14	jurusan_sma = IPA, rerata_sks	asisten	0.100	1
15	asal_sekolah, jurusan_sma = LAIN	asisten	0.050	1
16	asisten, jurusan_sma = LAIN	asal_sekolah	0.050	1
17	asal_sekolah, jurusan_sma = LAIN	rerata_sks	0.050	1




//Local Repository/LATIHAN2* – RapidMiner Studio Free 9.0.003 @ LABSI-20-PC
File Edit Process View Connections Cloud Settings Extensions Help
Views: Design Results Turbo Prep Auto Model
Find data, operators...etc
All Studio
Result History
FrequentItemSets (FP-Growth)
AssociationRules (Create Association Rules)
ExampleSet (Nominal to Binominal)
ExampleSet (/Local Repository/MODUL6_TRAINING)
Repository
Data
Statistics
Charts
Advanced Charts
Annotations
Chart style:
Scatter
x-Axis:
rerata_sks
Log scale
y-Axis:
lama_studi
Log scale
Color Column:
lama_studi
Log scale
Jitter:
Rotate labels
lama_studi TERLAMBAT TEPAT
TEPAT
TERLAMBAT
lama_studi
16.0 16.5 17.0 17.5 18.0 18.5 19.0 19.5 20.0 20.5 21.0 21.5 22.0 22.5 23.0
rerata_sks
Training Resour
Samples
Community San
DB
Local Repositor
Connections
data (LABSI-2
processes (L
LATIHAN1 (L
LATIHAN2 (L
MODUL6_TR
Tabel_Cuaca
Cloud Repositor
1:53 PM
11/20/2019