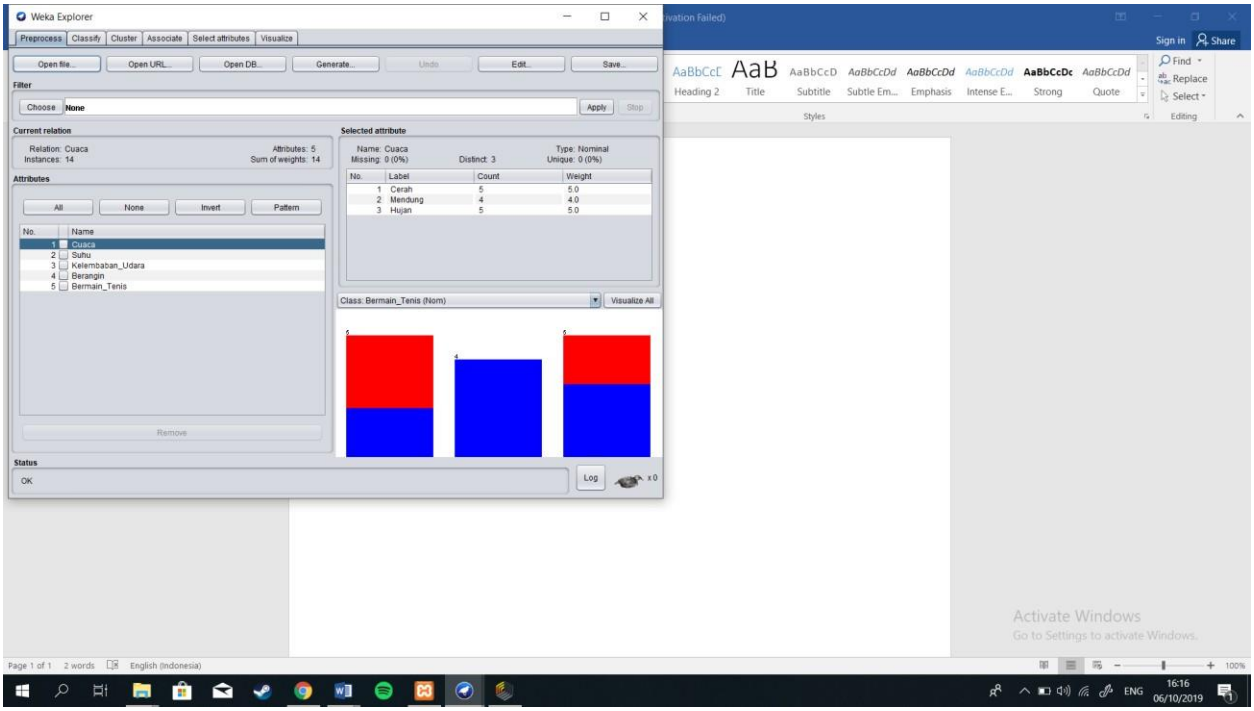
MODUL 8

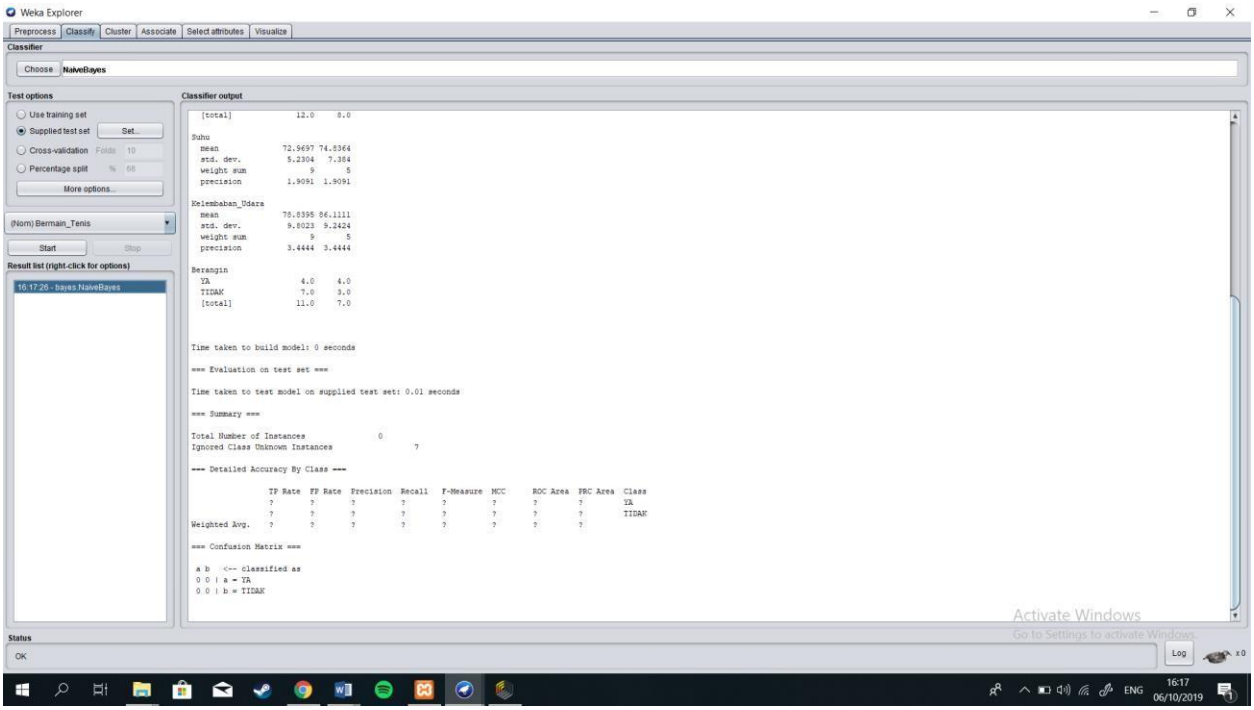
Langkah

8.4

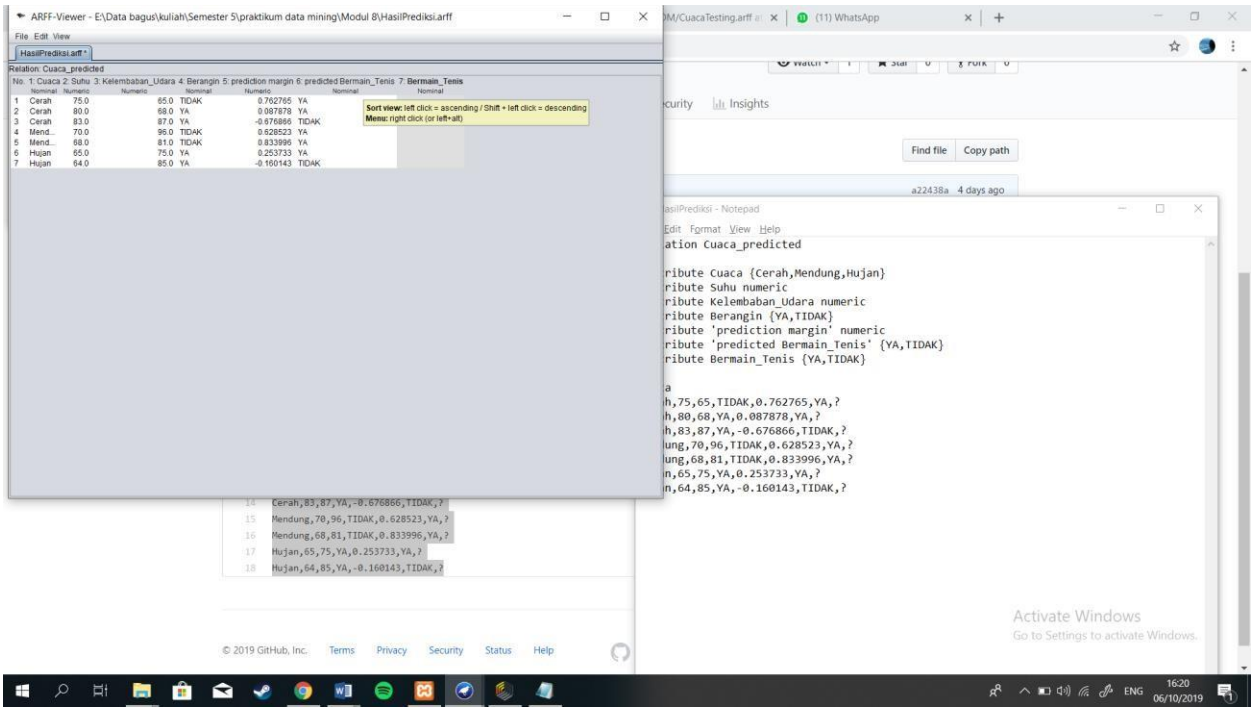
5.



14.

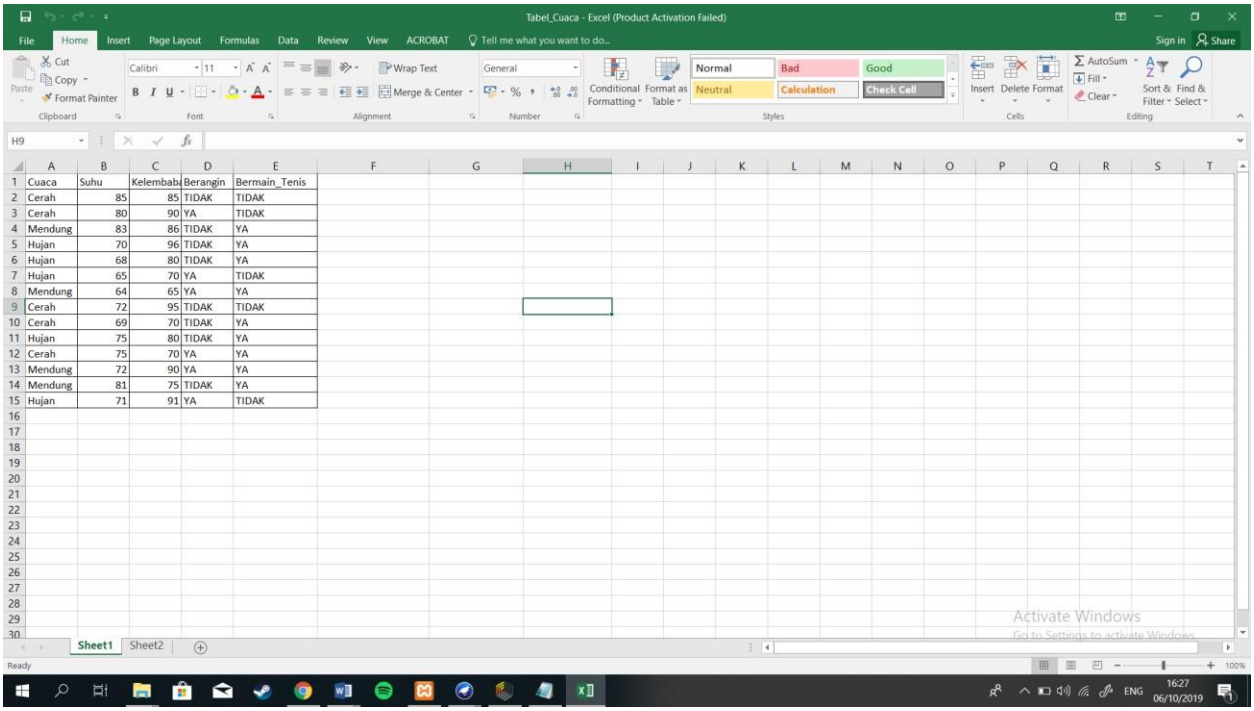


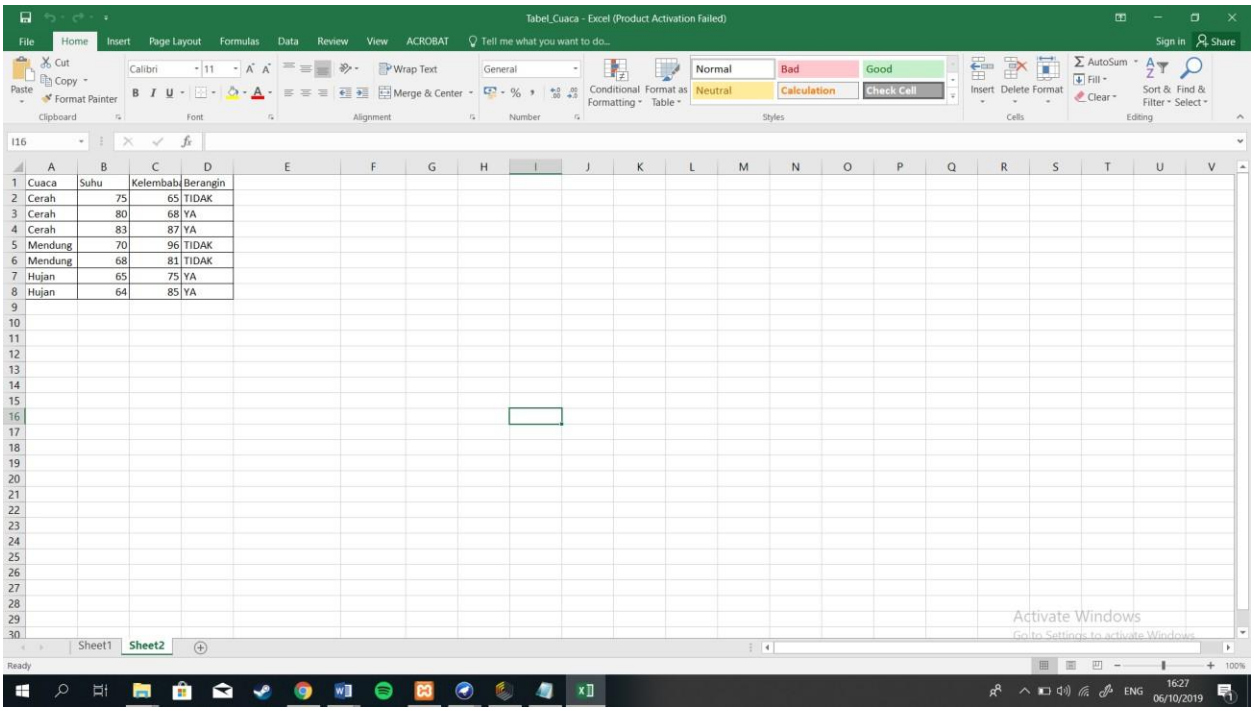
Riris Agriela Savitri
L200170029/B



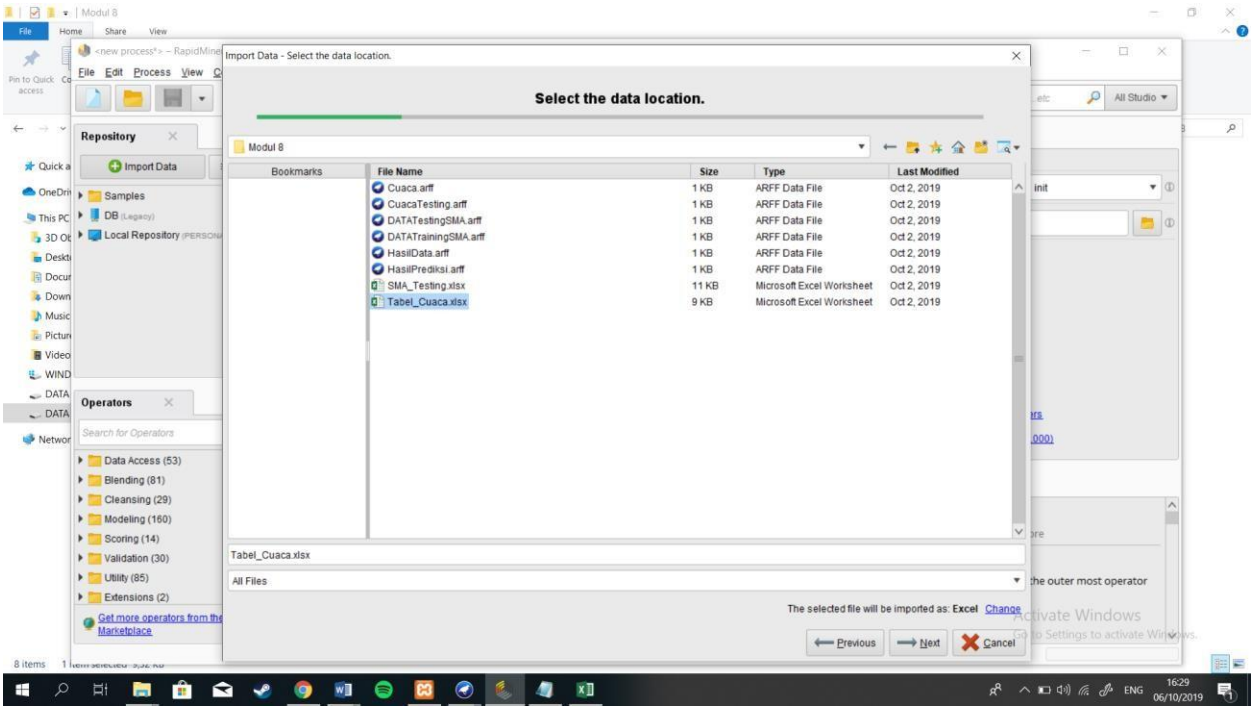
8.4.2

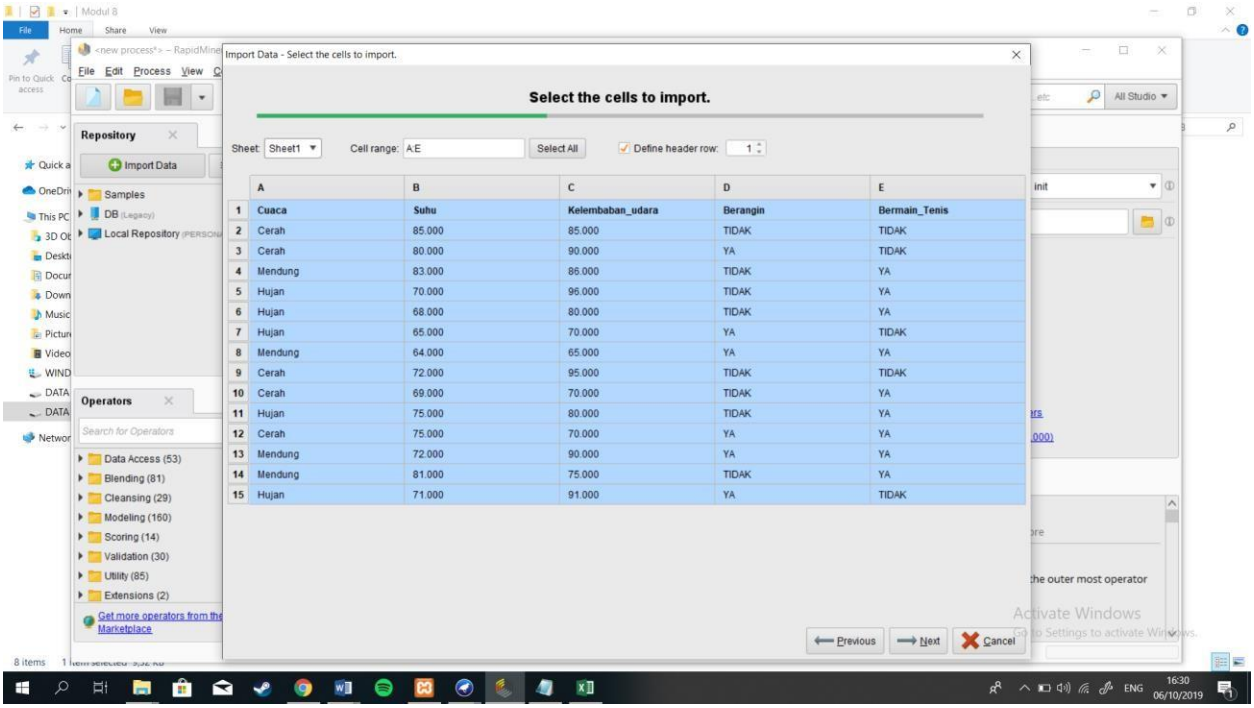
1.



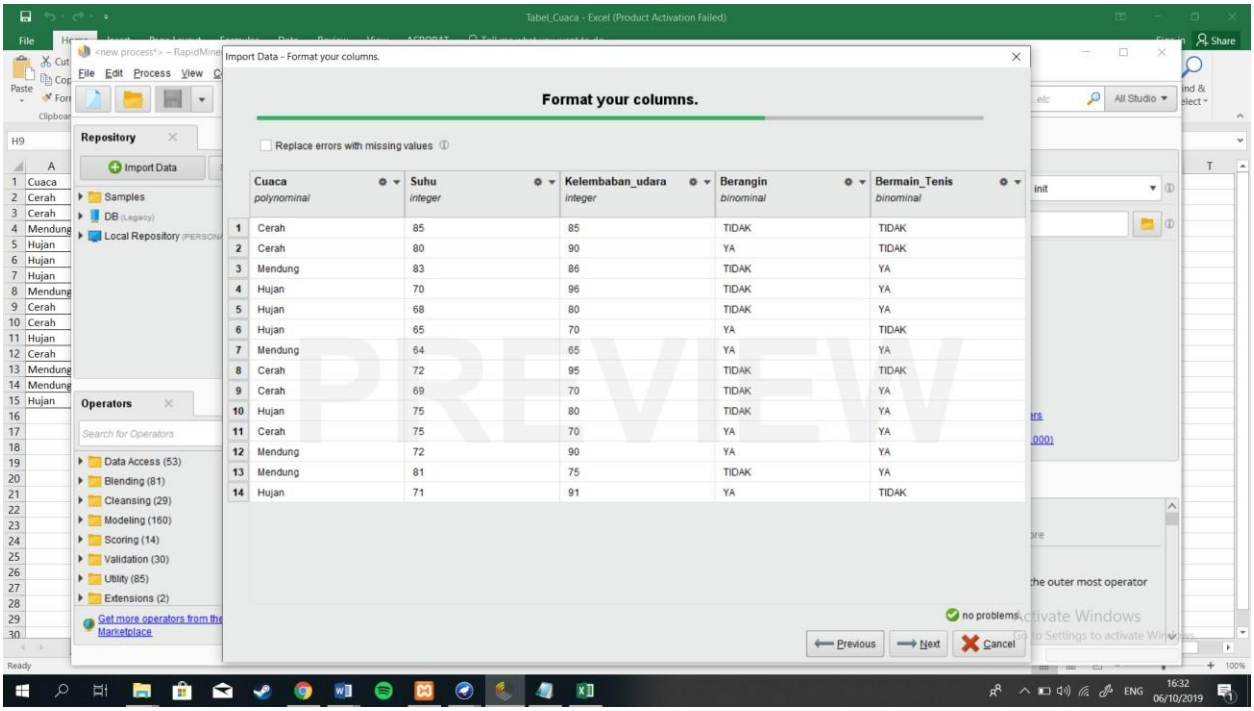


	A	B	C	D
1	Cuaca	Suhu	Kelembaba	Berangin
2	Cerah	75	65	TIDAK
3	Cerah	80	68	YA
4	Cerah	83	87	YA
5	Mendung	70	96	TIDAK
6	Mendung	68	81	TIDAK
7	Hujan	65	75	YA
8	Hujan	64	85	YA

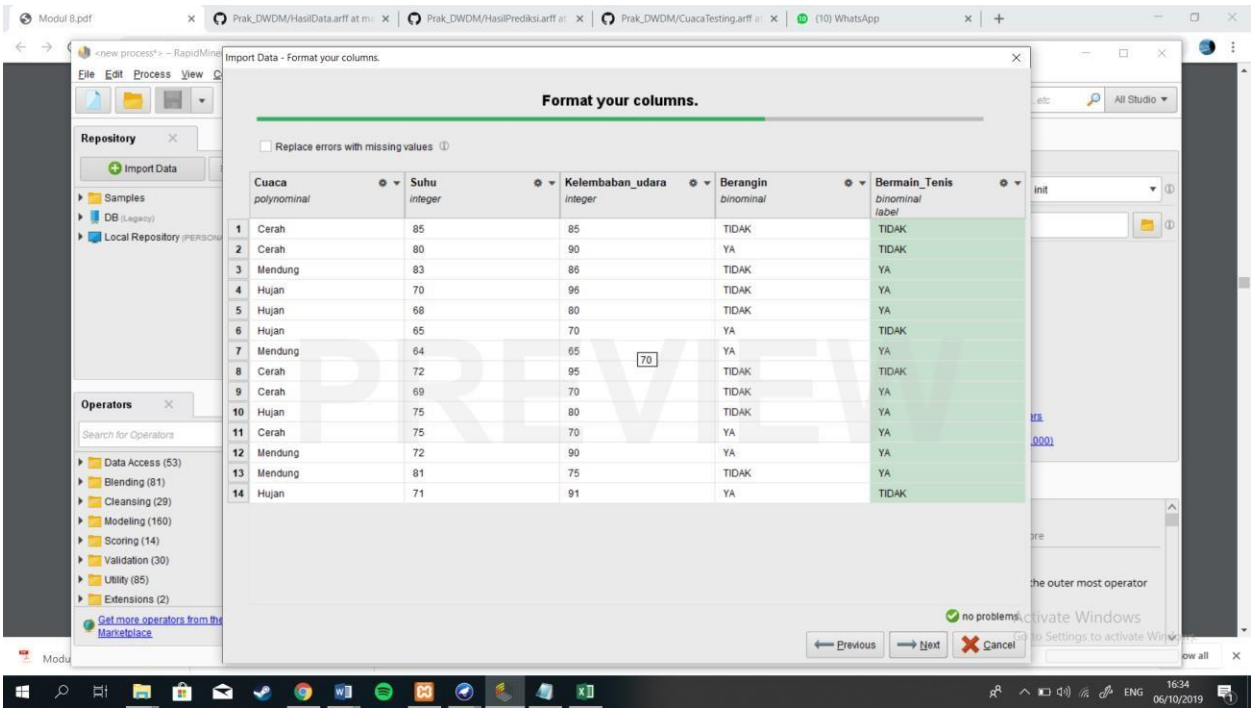



Import Data - Select the cells to import.
Select the cells to import.
Sheet: Sheet1
Cell range: A:E
Select All
Define header row: 1
Previous
Next
Cancel

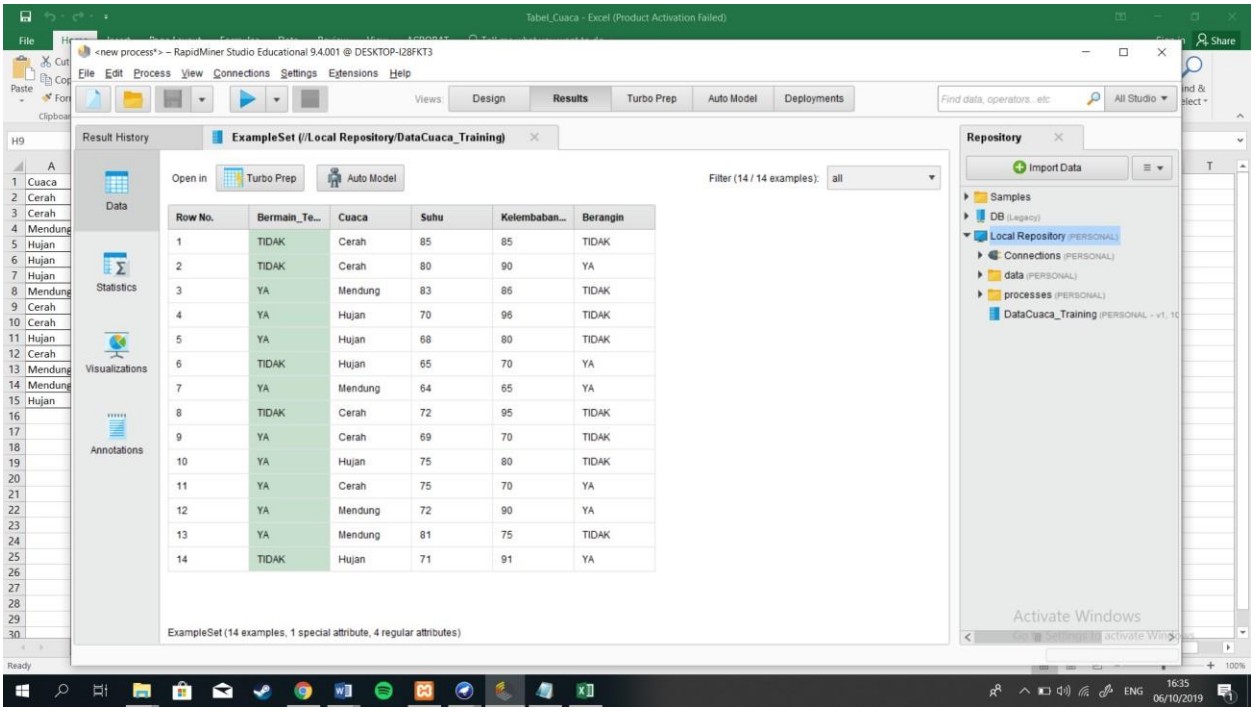
7.


Import Data - Format your columns.
Format your columns.
Replace errors with missing values
no problems
Previous
Next
Cancel

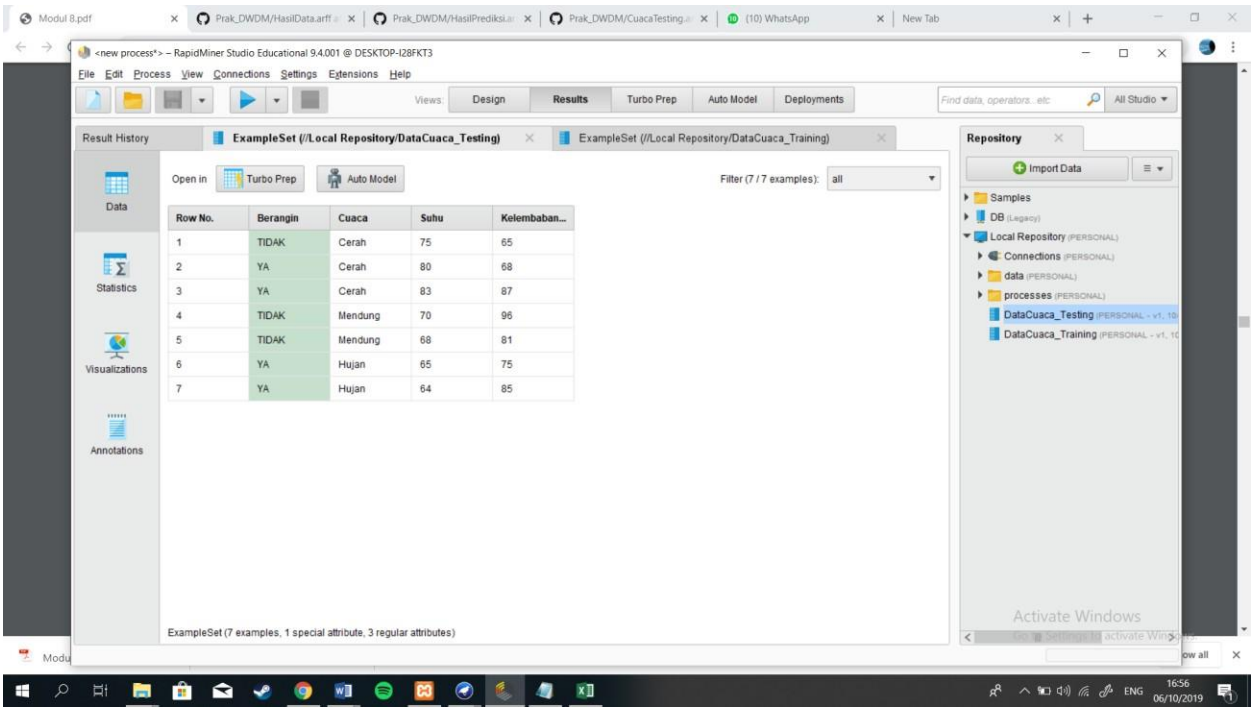
8.


Import Data - Format your columns.
Format your columns.
Replace errors with missing values
Cuaca polynominal
Suhu integer
Kelembaban_udara integer
Berangin binominal
Bermain_Tenis binominal label
1 Cerah 85 85 TIDAK TIDAK
2 Cerah 80 90 YA TIDAK
3 Mendung 83 86 TIDAK YA
4 Hujan 70 96 TIDAK YA
5 Hujan 68 80 TIDAK YA
6 Hujan 65 70 YA TIDAK
7 Mendung 64 65 YA YA
8 Cerah 72 95 TIDAK TIDAK
9 Cerah 69 70 TIDAK YA
10 Hujan 75 80 TIDAK YA
11 Cerah 75 70 YA YA
12 Mendung 72 90 YA YA
13 Mendung 81 75 TIDAK YA
14 Hujan 71 91 YA TIDAK
no problems
Previous
Next
Cancel
Repository
Import Data
Samples
DB (Legacy)
Local Repository
Operators
Data Access (53)
Blending (81)
Cleansing (29)
Modeling (160)
Scoring (14)
Validation (30)
Utility (85)
Extensions (2)
Get more operators from the Marketplace

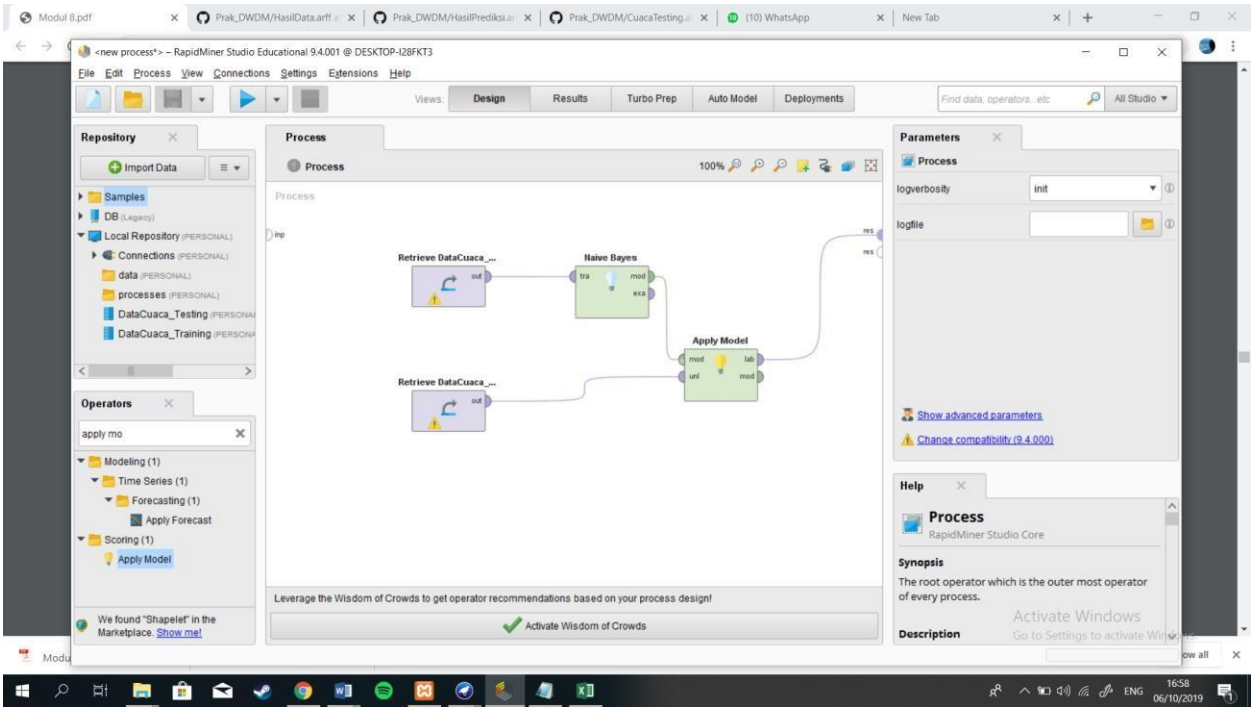
10.


Tabel_Cuaca - Excel (Product Activation Failed)
<new process*> – RapidMiner Studio Educational 9.4.001 @ DESKTOP-I28FKT3
File Edit Process View Connections Settings Extensions Help
Design Results Turbo Prep Auto Model Deployments
Result History
ExampleSet (/Local Repository/DataCuaca_Training)
Open in Turbo Prep Auto Model
Filter (14 / 14 examples): all
Data
Statistics
Visualizations
Annotations
Row No. Bermain_Te... Cuaca Suhu Kelembaban... Berangin
1 TIDAK Cerah 85 85 TIDAK
2 TIDAK Cerah 80 90 YA
3 YA Mendung 83 86 TIDAK
4 YA Hujan 70 96 TIDAK
5 YA Hujan 68 80 TIDAK
6 TIDAK Hujan 65 70 YA
7 YA Mendung 64 65 YA
8 TIDAK Cerah 72 95 TIDAK
9 YA Cerah 69 70 TIDAK
10 YA Hujan 75 80 TIDAK
11 YA Cerah 75 70 YA
12 YA Mendung 72 90 YA
13 YA Mendung 81 75 TIDAK
14 TIDAK Hujan 71 91 YA
ExampleSet (14 examples, 1 special attribute, 4 regular attributes)
Repository
Import Data
Samples
DB (Legacy)
Local Repository (PERSONAL)
Connections (PERSONAL)
data (PERSONAL)
processes (PERSONAL)
DataCuaca_Training (PERSONAL)

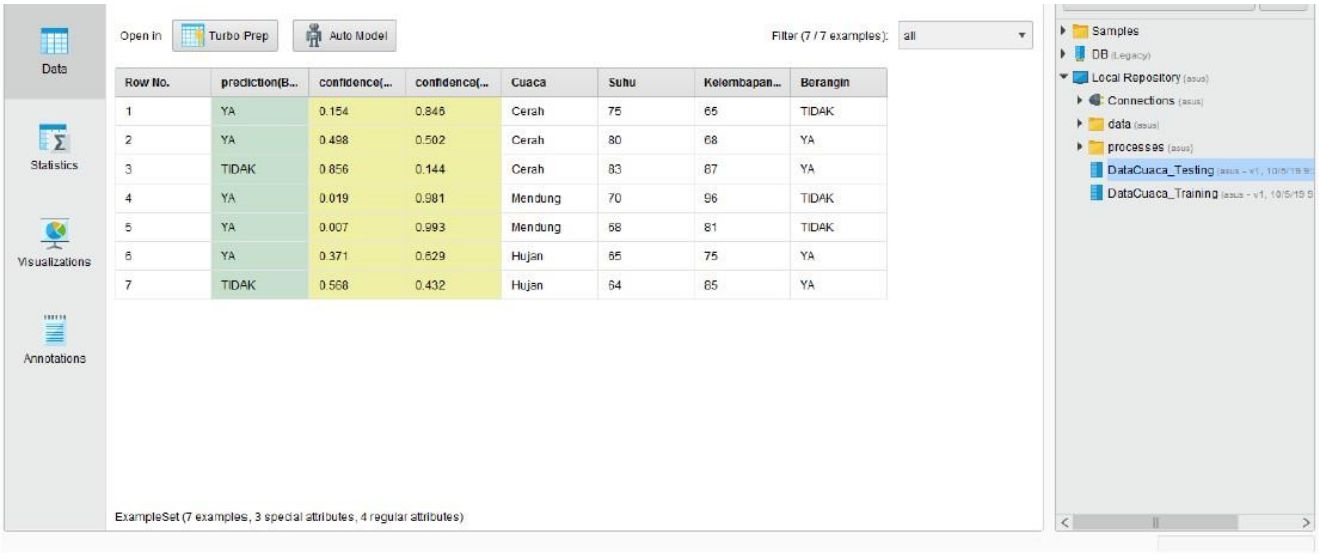
13.


<new process*> – RapidMiner Studio Educational 9.4.001 @ DESKTOP-I28FKT3
File Edit Process View Connections Settings Extensions Help
Views: Design Results Turbo Prep Auto Model Deployments
Result History
ExampleSet (//Local Repository/DataCuaca_Testing)
ExampleSet (//Local Repository/DataCuaca_Training)
Open in Turbo Prep Auto Model
Filter (7 / 7 examples): all
Row No. Berangin Cuaca Suhu Kelembaban...
1 TIDAK Cerah 75 65
2 YA Cerah 80 68
3 YA Cerah 83 87
4 TIDAK Mendung 70 96
5 TIDAK Mendung 68 81
6 YA Hujan 65 75
7 YA Hujan 64 85
ExampleSet (7 examples, 1 special attribute, 3 regular attributes)
Repository
Import Data
Samples
DB (Legacy)
Local Repository (PERSONAL)
Connections (PERSONAL)
data (PERSONAL)
processes (PERSONAL)
DataCuaca_Testing (PERSONAL - v1, 1
DataCuaca_Training (PERSONAL - v1, 1
Data
Statistics
Visualizations
Annotations
Activate Windows

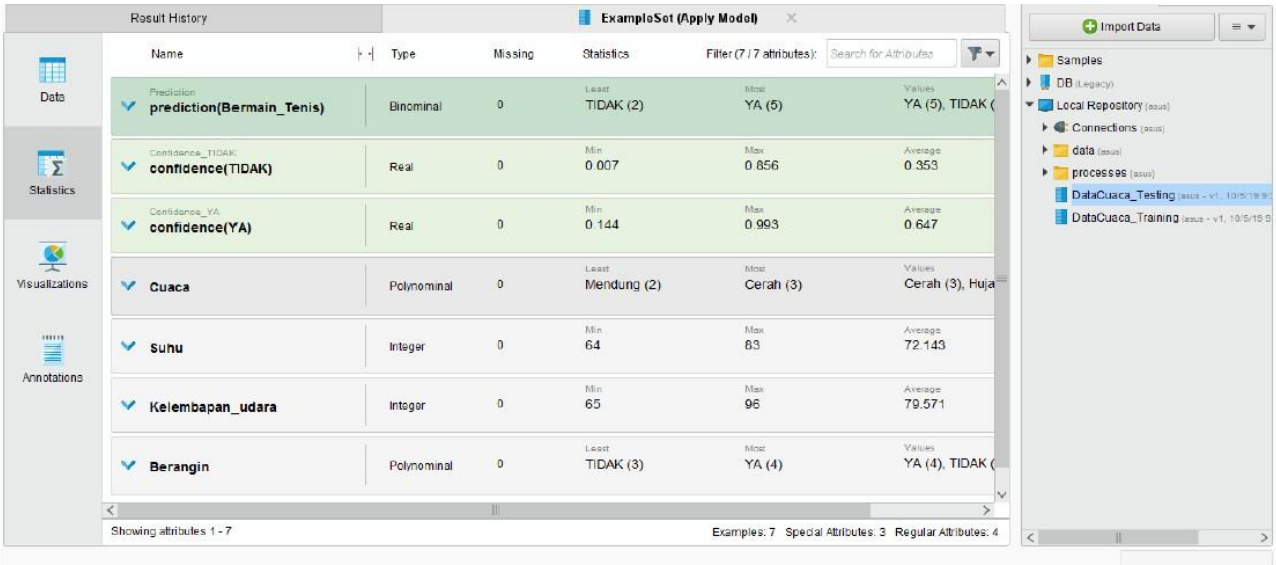
15.


<new process*> – RapidMiner Studio Educational 9.4.001 @ DESKTOP-I28FKT3
File Edit Process View Connections Settings Extensions Help
Views: Design Results Turbo Prep Auto Model Deployments
Repository
Import Data
Samples
DB (Legacy)
Local Repository (PERSONAL)
Connections (PERSONAL)
data (PERSONAL)
processes (PERSONAL)
DataCuaca_Testing (PERSONA
DataCuaca_Training (PERSONA
Operators
apply mo
Modeling (1)
Time Series (1)
Forecasting (1)
Apply Forecast
Scoring (1)
Apply Model
We found "Shapelet" in the Marketplace. Show me!
Process
Process
100%
Retrieve DataCuaca_...
Naive Bayes
Apply Model
Retrieve DataCuaca_...
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 (9.4.000)
Help
Process
RapidMiner Studio Core
Synopsis
The root operator which is the outer most operator of every process.
Description
Activate Windows

17.

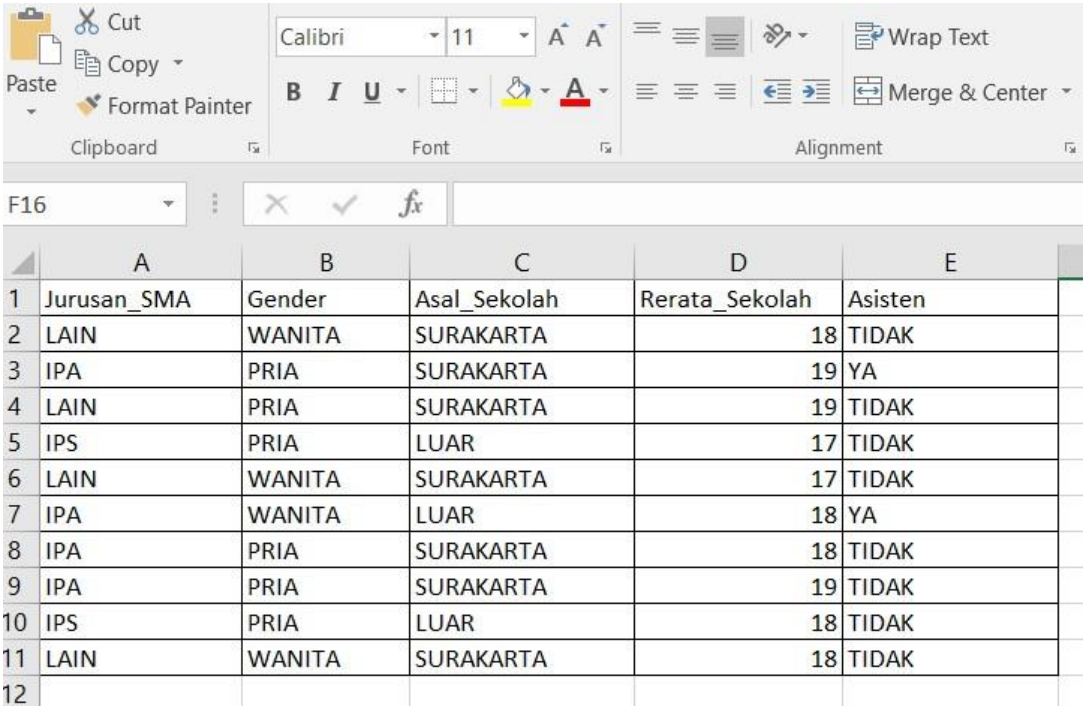

Data
Statistics
Visualizations
Annotations
Open in
Turbo Prep
Auto Model
Filter (7 / 7 examples):
all
Row No. | prediction(B... | confidence(... | confidence(... | Cuaca | Suhu | Kelembapan... | Berangin
1 | YA | 0.154 | 0.846 | Cerah | 75 | 65 | TIDAK
2 | YA | 0.498 | 0.502 | Cerah | 80 | 68 | YA
3 | TIDAK | 0.856 | 0.144 | Cerah | 83 | 67 | YA
4 | YA | 0.019 | 0.981 | Mendung | 70 | 96 | TIDAK
5 | YA | 0.007 | 0.993 | Mendung | 68 | 81 | TIDAK
6 | YA | 0.371 | 0.629 | Hujan | 65 | 75 | YA
7 | TIDAK | 0.568 | 0.432 | Hujan | 64 | 65 | YA
ExampleSet (7 examples, 3 special attributes, 4 regular attributes)
Samples
DB (Legacy)
Local Repository (asus)
Connections (asus)
data (asus)
processes (asus)
DataCuaca_Testing
DataCuaca_Training

18.


Result History
ExampleSet (Apply Model)
Data
Statistics
Visualizations
Annotations
Name | Type | Missing | Statistics | Filter (7 / 7 attributes): Search for Attributes
prediction(Bermain_Tenis) | Binominal | 0 | Least TIDAK (2) | Most YA (5) | Values YA (5), TIDAK (
confidence(TIDAK) | Real | 0 | Min 0.007 | Max 0.856 | Average 0.353
confidence(YA) | Real | 0 | Min 0.144 | Max 0.993 | Average 0.647
Cuaca | Polynominal | 0 | Least Mendung (2) | Most Cerah (3) | Values Cerah (3), Huja
Suhu | Integer | 0 | Min 64 | Max 83 | Average 72.143
Kelembapan_udara | Integer | 0 | Min 65 | Max 96 | Average 79.571
Berangin | Polynominal | 0 | Least TIDAK (3) | Most YA (4) | Values YA (4), TIDAK (
Showing attributes 1 - 7
Examples: 7 Special Attributes: 3 Regular Attributes: 4
Import Data
Samples
DB (Legacy)
Local Repository (asus)
Connections (asus)
data (asus)
processes (asus)
DataCuaca_Testing
DataCuaca_Training

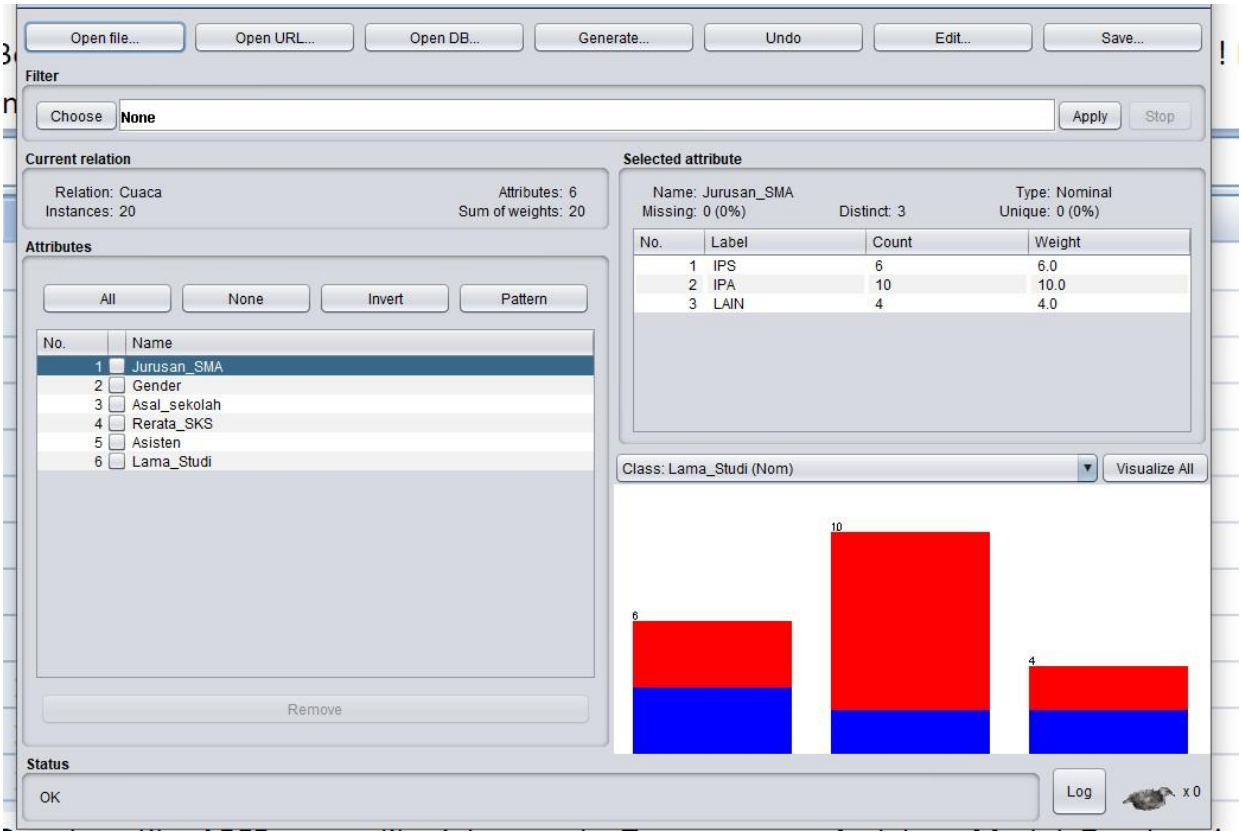
TUGAS

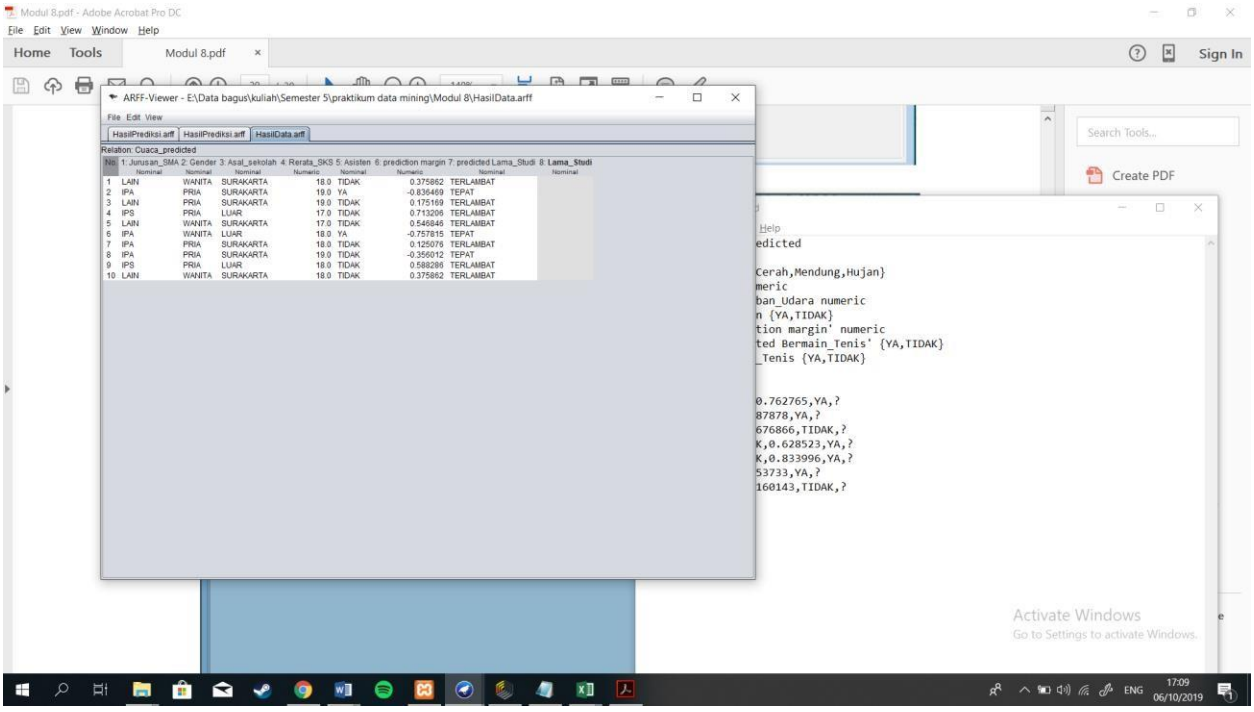
1.



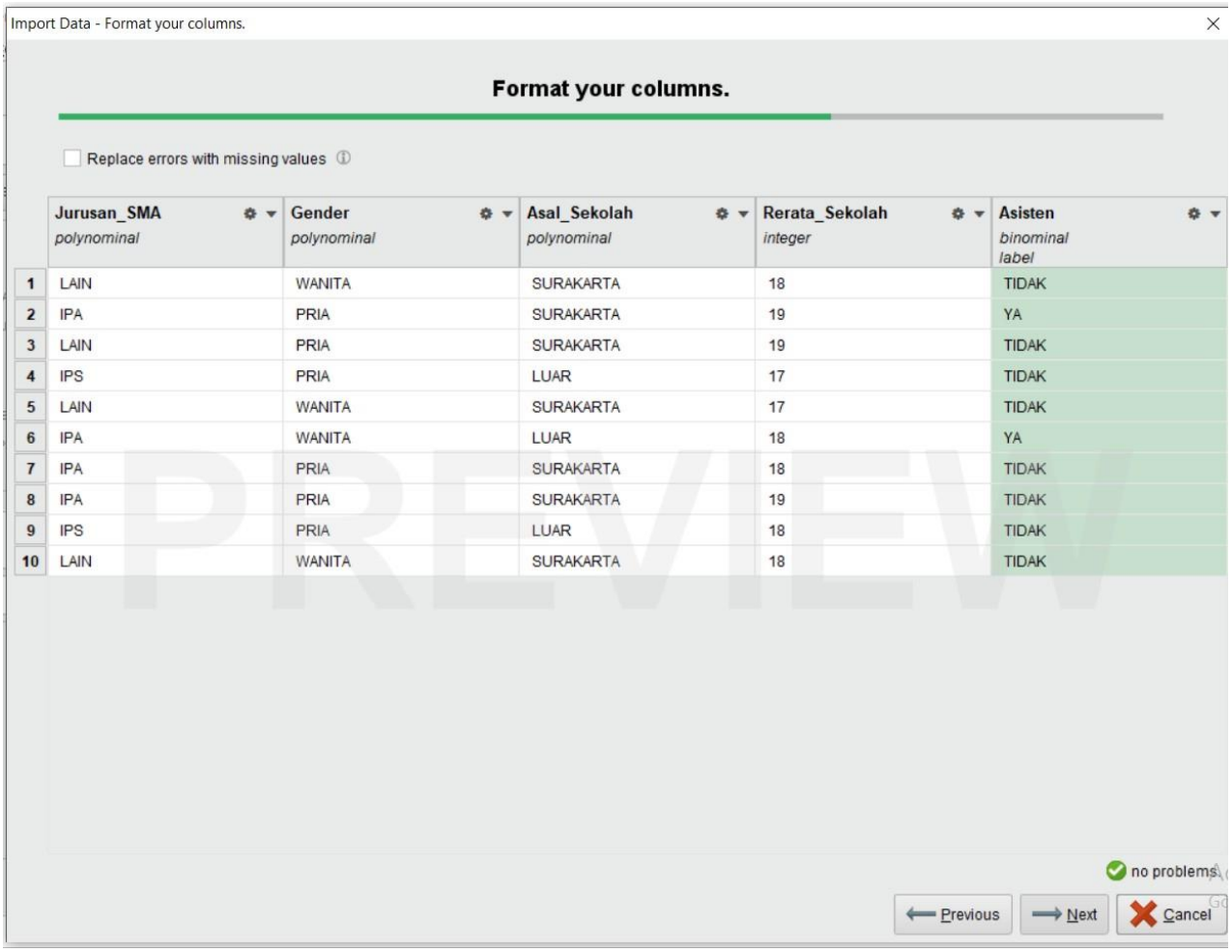
	A	B	C	D	E
1	Jurusan_SMA	Gender	Asal_Sekolah	Rerata_Sekolah	Asisten
2	LAIN	WANITA	SURAKARTA	18	TIDAK
3	IPA	PRIA	SURAKARTA	19	YA
4	LAIN	PRIA	SURAKARTA	19	TIDAK
5	IPS	PRIA	LUAR	17	TIDAK
6	LAIN	WANITA	SURAKARTA	17	TIDAK
7	IPA	WANITA	LUAR	18	YA
8	IPA	PRIA	SURAKARTA	18	TIDAK
9	IPA	PRIA	SURAKARTA	19	TIDAK
10	IPS	PRIA	LUAR	18	TIDAK
11	LAIN	WANITA	SURAKARTA	18	TIDAK
12					

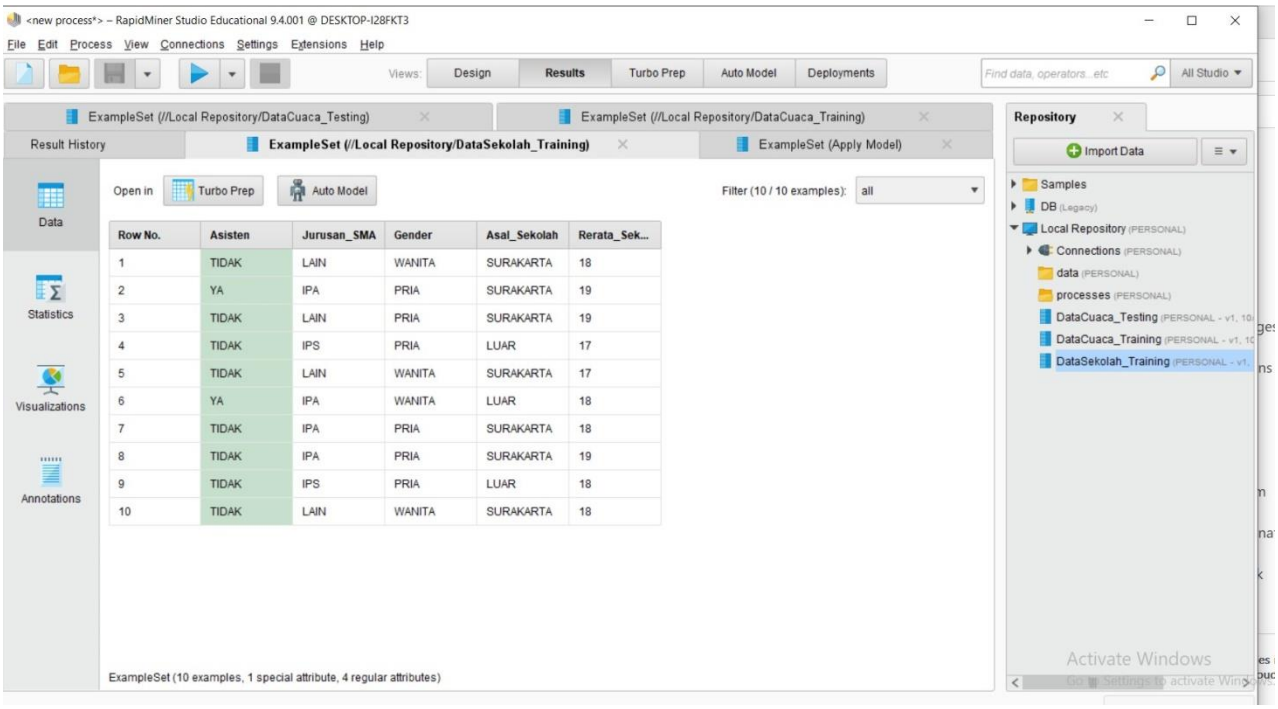
2.


Open file...
Open URL...
Open DB...
Generate...
Undo
Edit...
Save...
Filter
Choose
None
Apply
Stop
Current relation
Relation: Cuaca
Instances: 20
Attributes: 6
Sum of weights: 20
Attributes
All
None
Invert
Pattern
No.
Name
1 Jurusan_SMA
2 Gender
3 Asal_sekolah
4 Rerata_SKS
5 Asisten
6 Lama_Studi
Remove
Selected attribute
Name: Jurusan_SMA
Missing: 0 (0%)
Distinct: 3
Type: Nominal
Unique: 0 (0%)
No.
Label
Count
Weight
1 IPS 6 6.0
2 IPA 10 10.0
3 LAIN 4 4.0
Class: Lama_Studi (Nom)
Visualize All
6
10
4
Status
OK
Log
x 0

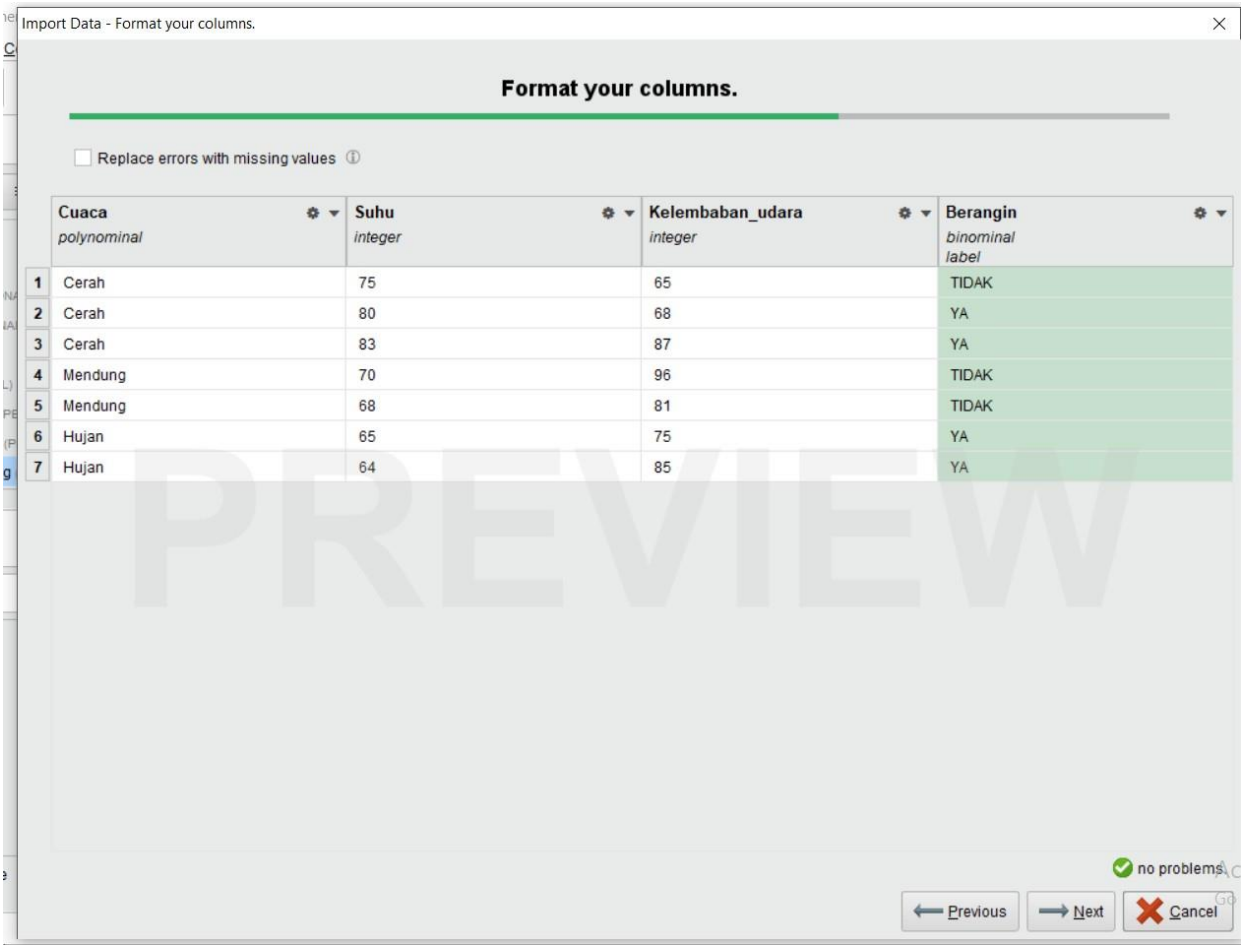

Modul 8.pdf - Adobe Acrobat Pro DC
File Edit View Window Help
Home Tools
Modul 8.pdf
Sign In
ARFF-Viewer - E:\Data bagus\kuliah\Semester 5\praktikum data mining\Modul 8\HasilData.arff
File Edit View
HasilPrediksi.arff
HasilPrediksi.arff
HasilData.arff
Relation: Cuaca_predicted
Search Tools...
Create PDF
Activate Windows
Go to Settings to activate Windows.
ENG
17:09
06/10/2019

3.Data Training

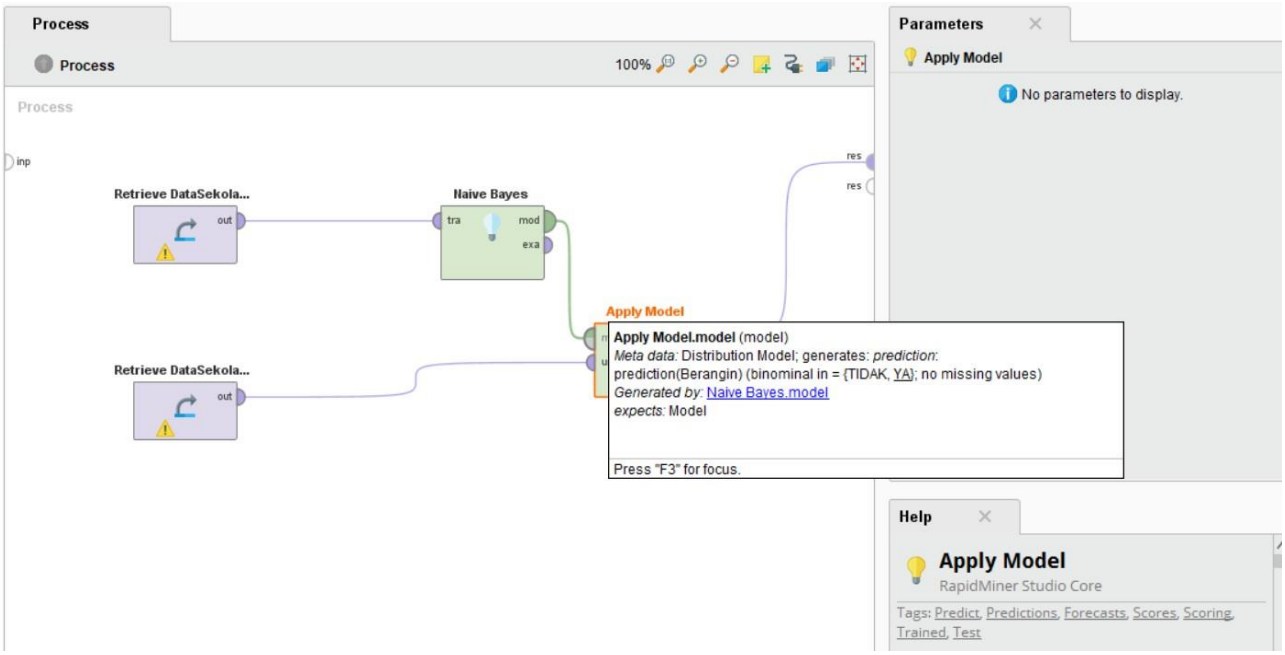



<new process*> – RapidMiner Studio Educational 9.4.001 @ DESKTOP-I28FKT3
File Edit Process View Connections Settings Extensions Help
Views: Design Results Turbo Prep Auto Model Deployments
Find data, operators...etc
All Studio
ExampleSet (//Local Repository/DataCuaca_Testing)
ExampleSet (//Local Repository/DataCuaca_Training)
Result History
ExampleSet (//Local Repository/DataSekolah_Training)
ExampleSet (Apply Model)
Data
Statistics
Visualizations
Annotations
Open in Turbo Prep
Auto Model
Filter (10 / 10 examples): all
Row No. Asisten Jurusan_SMA Gender Asal_Sekolah Rerata_Sek...
1 TIDAK LAIN WANITA SURAKARTA 18
2 YA IPA PRIA SURAKARTA 19
3 TIDAK LAIN PRIA SURAKARTA 19
4 TIDAK IPS PRIA LUAR 17
5 TIDAK LAIN WANITA SURAKARTA 17
6 YA IPA WANITA LUAR 18
7 TIDAK IPA PRIA SURAKARTA 18
8 TIDAK IPA PRIA SURAKARTA 19
9 TIDAK IPS PRIA LUAR 18
10 TIDAK LAIN WANITA SURAKARTA 18
ExampleSet (10 examples, 1 special attribute, 4 regular attributes)
Repository
Import Data
Samples
DB (Legacy)
Local Repository (PERSONAL)
Connections (PERSONAL)
data (PERSONAL)
processes (PERSONAL)
DataCuaca_Testing (PERSONAL - v1, 10
DataCuaca_Training (PERSONAL - v1, 1
DataSekolah_Training (PERSONAL - v1,
Activate Windows

b.Data Testing



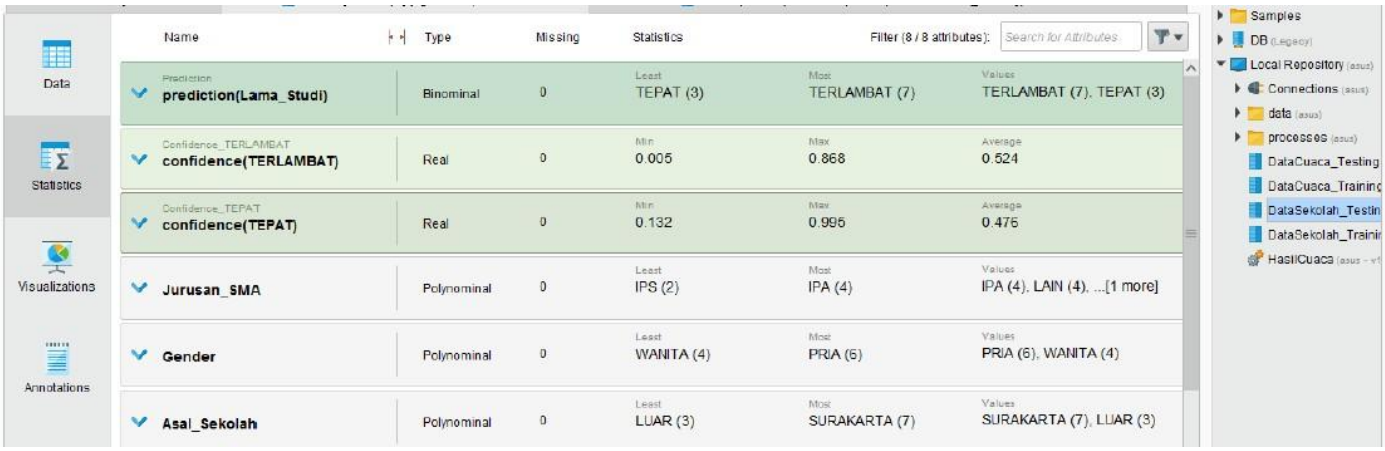
c.implementasi naïve bayes



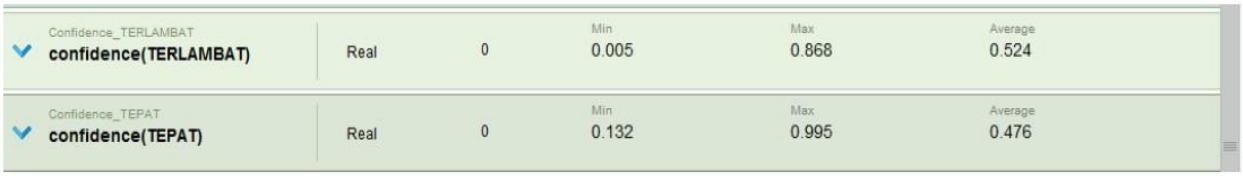
d.hasil

Row No.	prediction(L...	confidence(...	confidence(...	Jurusan_SMA	Gender	Asal_Sekolah	Rerata_SKS	Asisten
1	TERLAMBAT	0.648	0.352	LAIN	WANITA	SURAKARTA	18	TIDAK
2	TEPAT	0.005	0.995	IPA	PRIA	SURAKARTA	19	YA
3	TERLAMBAT	0.650	0.350	LAIN	PRIA	SURAKARTA	19	TIDAK
4	TERLAMBAT	0.868	0.132	IPS	PRIA	LUAR	17	TIDAK
5	TERLAMBAT	0.738	0.262	LAIN	WANITA	SURAKARTA	17	TIDAK
6	TEPAT	0.005	0.995	IPA	WANITA	LUAR	18	YA
7	TERLAMBAT	0.547	0.453	IPA	PRIA	SURAKARTA	18	TIDAK
8	TEPAT	0.321	0.679	IPA	PRIA	SURAKARTA	19	TIDAK
9	TERLAMBAT	0.811	0.189	IPS	PRIA	LUAR	18	TIDAK
10	TERLAMBAT	0.648	0.352	LAIN	WANITA	SURAKARTA	18	TIDAK

ExampleSet (10 examples, 3 special attributes, 5 regular attributes)


Data
Statistics
Visualizations
Annotations
Name
Type
Missing
Statistics
Filter (8 / 8 attributes):
Search for Attributes
prediction(Lama_Studi)
Binominal
0
Least
TEPAT (3)
Most
TERLAMBAT (7)
Values
TERLAMBAT (7), TEPAT (3)
confidence(TERLAMBAT)
Real
0
Min
0.005
Max
0.868
Average
0.524
confidence(TEPAT)
Real
0
Min
0.132
Max
0.995
Average
0.476
Jurusan_SMA
Polynominal
0
Least
IPS (2)
Most
IPA (4)
Values
IPA (4), LAIN (4), ...[1 more]
Gender
Polynominal
0
Least
WANITA (4)
Most
PRIA (6)
Values
PRIA (6), WANITA (4)
Asal_Sekolah
Polynominal
0
Least
LUAR (3)
Most
SURAKARTA (7)
Values
SURAKARTA (7), LUAR (3)
Samples
DB
Local Repository
Connections
data
processes
DataCuaca_Testing
DataCuaca_Training
DataSekolah_Testin
DataSekolah_Trainir
HasilCuaca

4.

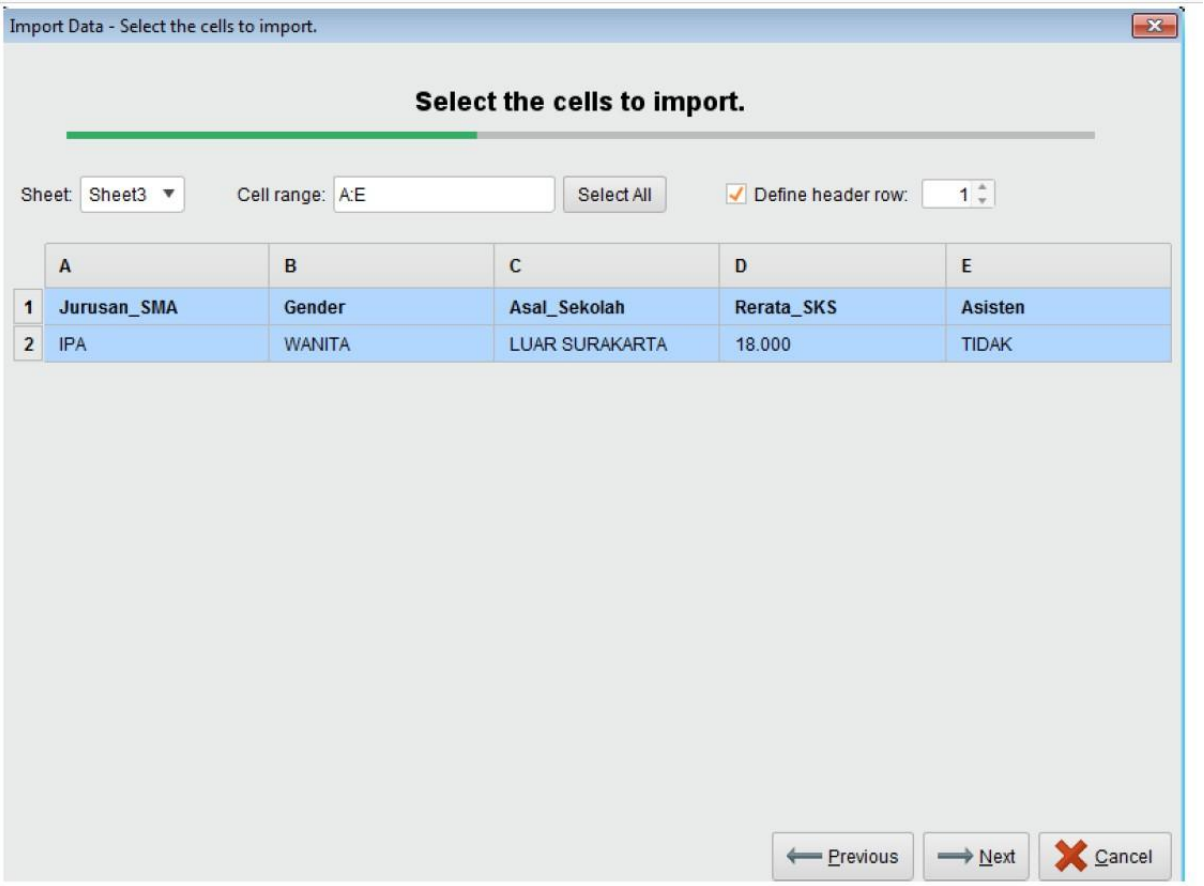

confidence(TERLAMBAT)
Real
0
Min
0.005
Max
0.868
Average
0.524
confidence(TEPAT)
Real
0
Min
0.132
Max
0.995
Average
0.476

5.

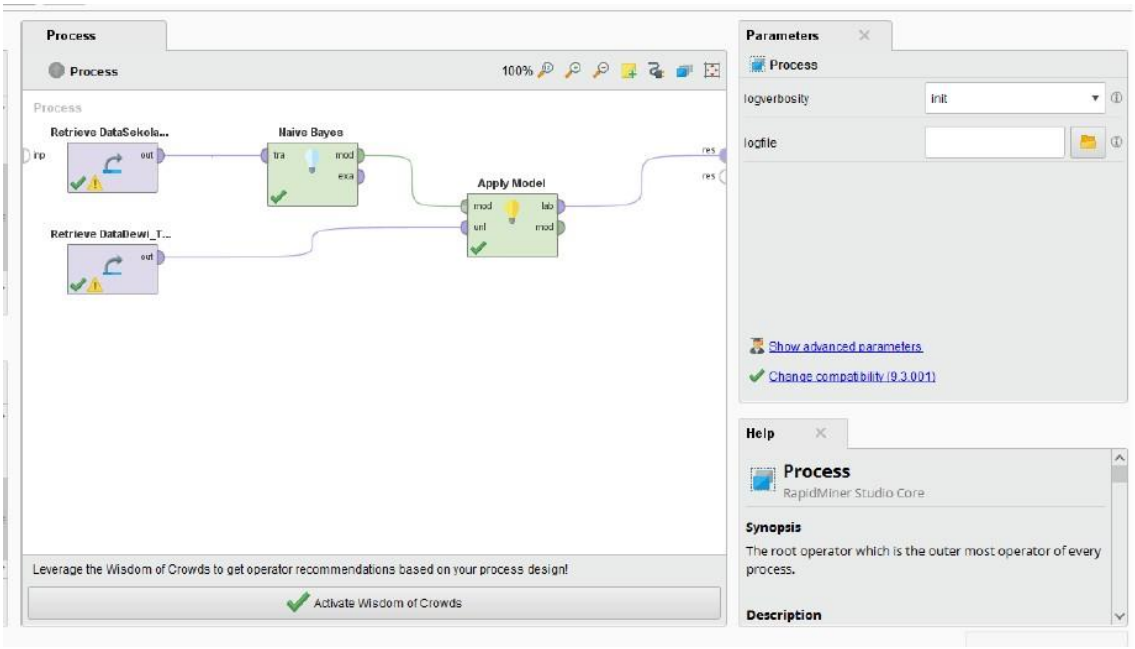

prediction(Lama_Studi)
Binominal
0
Least
TEPAT (3)
Most
TERLAMBAT (7)
Values
TERLAMBAT (7), TEPAT (3)

6.

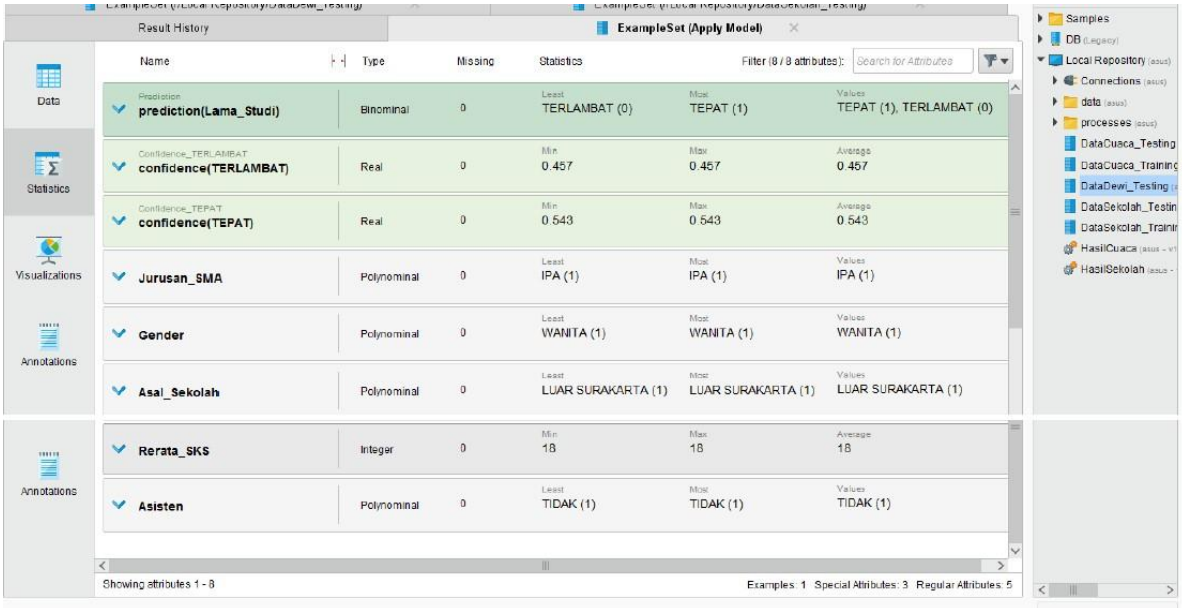
a.


Import Data - Select the cells to import.
Select the cells to import.
Sheet: Sheet3
Cell range: A:E
Select All
Define header row: 1
A
B
C
D
E
1
Jurusan_SMA
Gender
Asal_Sekolah
Rerata_SKS
Asisten
2
IPA
WANITA
LUAR SURAKARTA
18.000
TIDAK
Previous
Next
Cancel

b.naive bayes

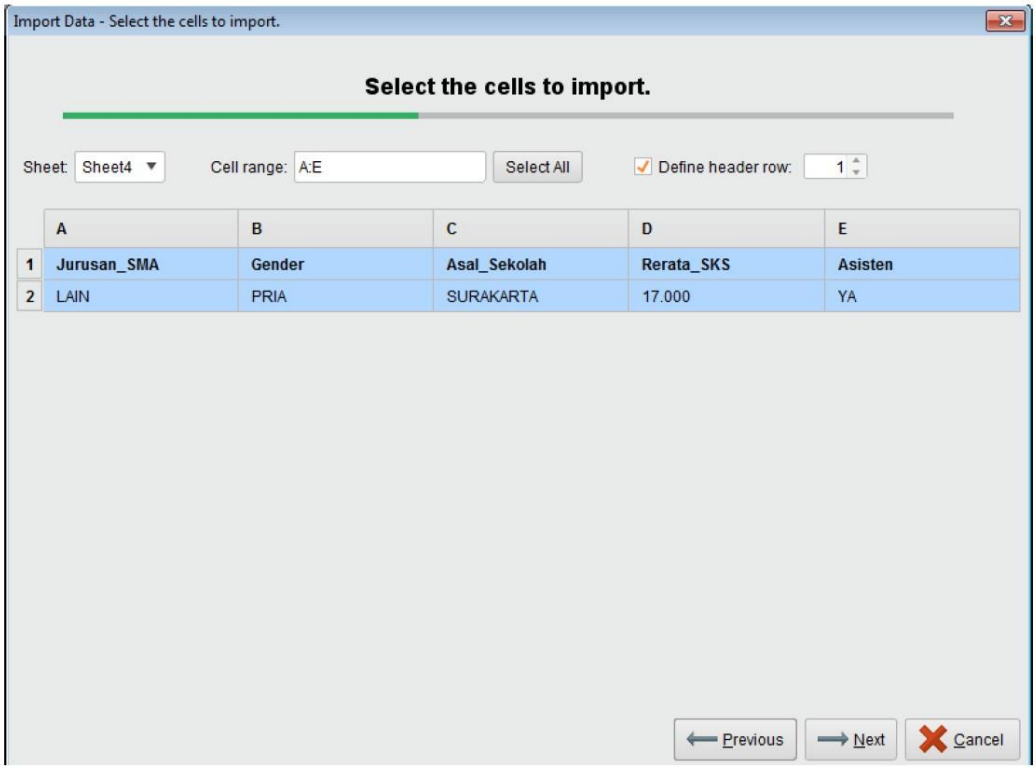


c.hasil



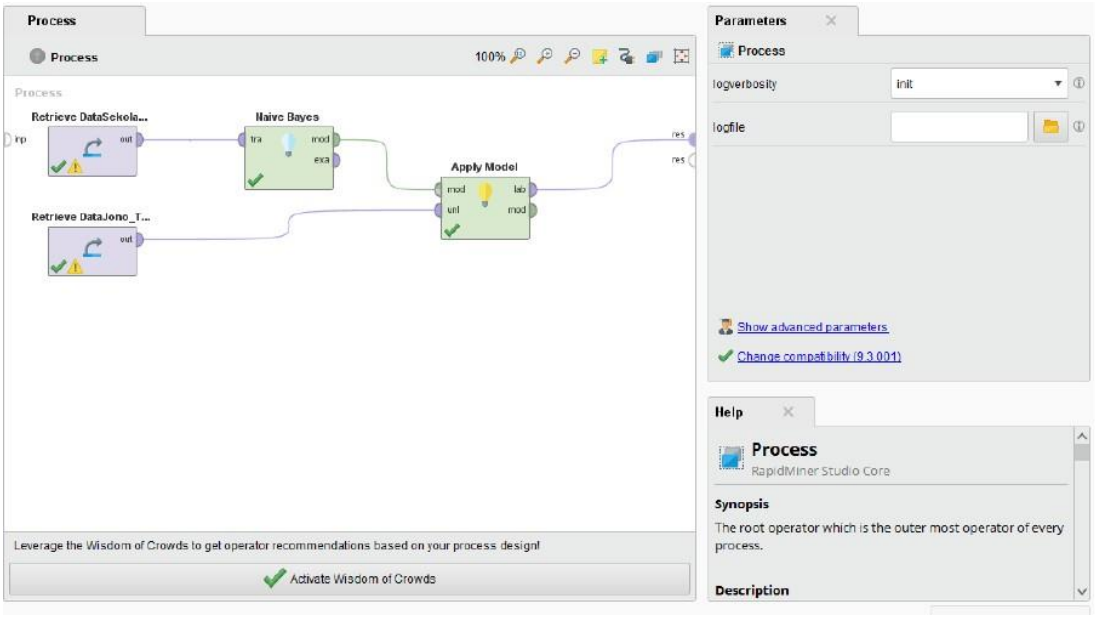
Berdasarkan hasil di atas maka prediksi untuk Dewi dia akan lulus dengan tepat

7.


Import Data - Select the cells to import.
Select the cells to import.
Sheet: Sheet4
Cell range: A:E
Select All
Define header row: 1
A
B
C
D
E
1
Jurusan_SMA
Gender
Asal_Sekolah
Rerata_SKS
Asisten
2
LAIN
PRIA
SURAKARTA
17.000
YA
Previous
Next
Cancel

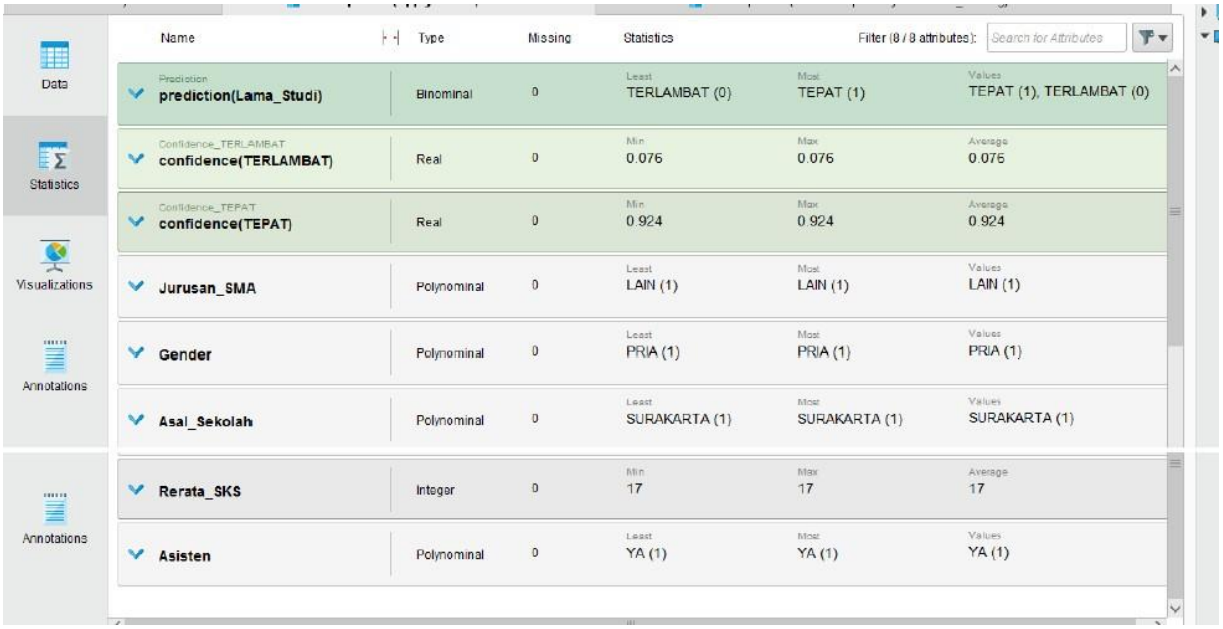

Data
Statistics
Visualizations
Annotations
Open in
Turbo Prep
Auto Model
Filter (1 / 1 examples):
all
Row No.
Jurusan_SMA
Gender
Asal_Sekolah
Rerata_SKS
Asisten
1
LAIN
PRIA
SURAKARTA
17
YA
ExampleSet (1 example, 0 special attributes, 5 regular attributes)

b.Naive bayes



c.hasil

Row No.	prediction(L...	confidence(...	confidence(...	Jurusan_SMA	Gender	Asal_Sekolah	Rerata_SKS	Asisten
1	TEPAT	0.076	0.924	LAIN	PRIA	SURAKARTA	17	YA



Berdasarkan hasil di atas maka prediksi untuk Jono dia akan lulus dengan tepat