Laporan Praktikum DWDM

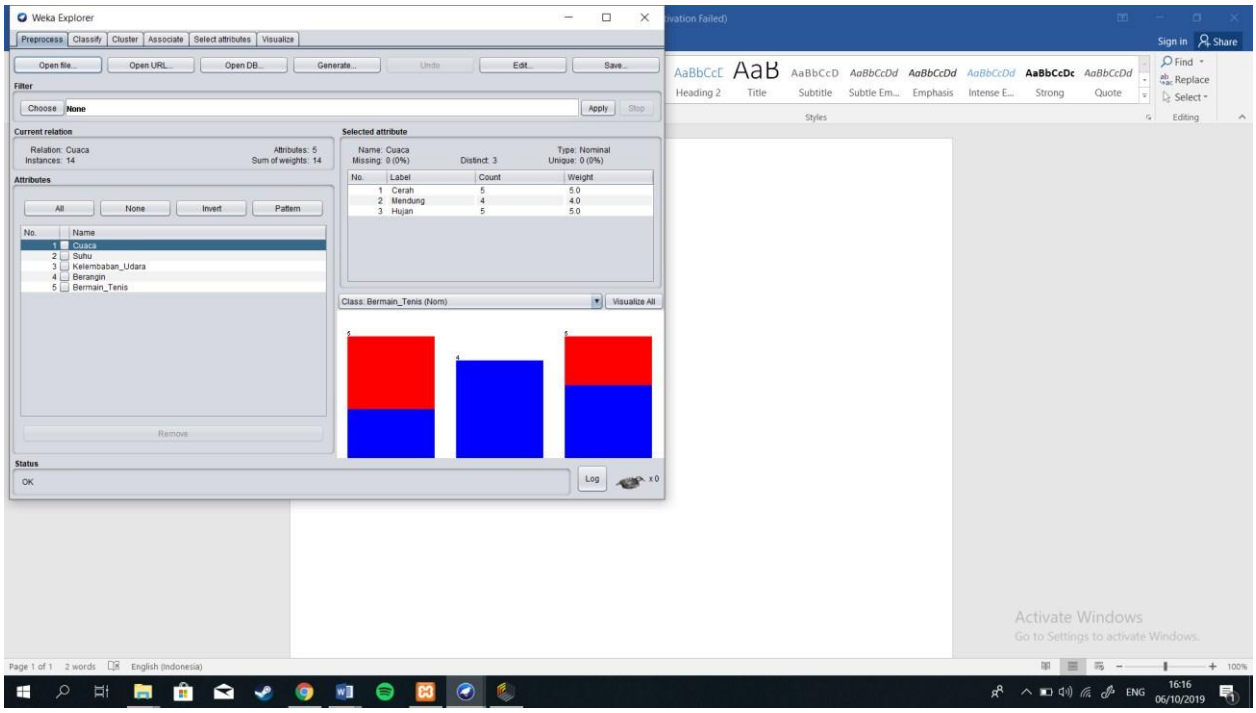
Nama : Moch Afif Abdillah

NIM : L200170004

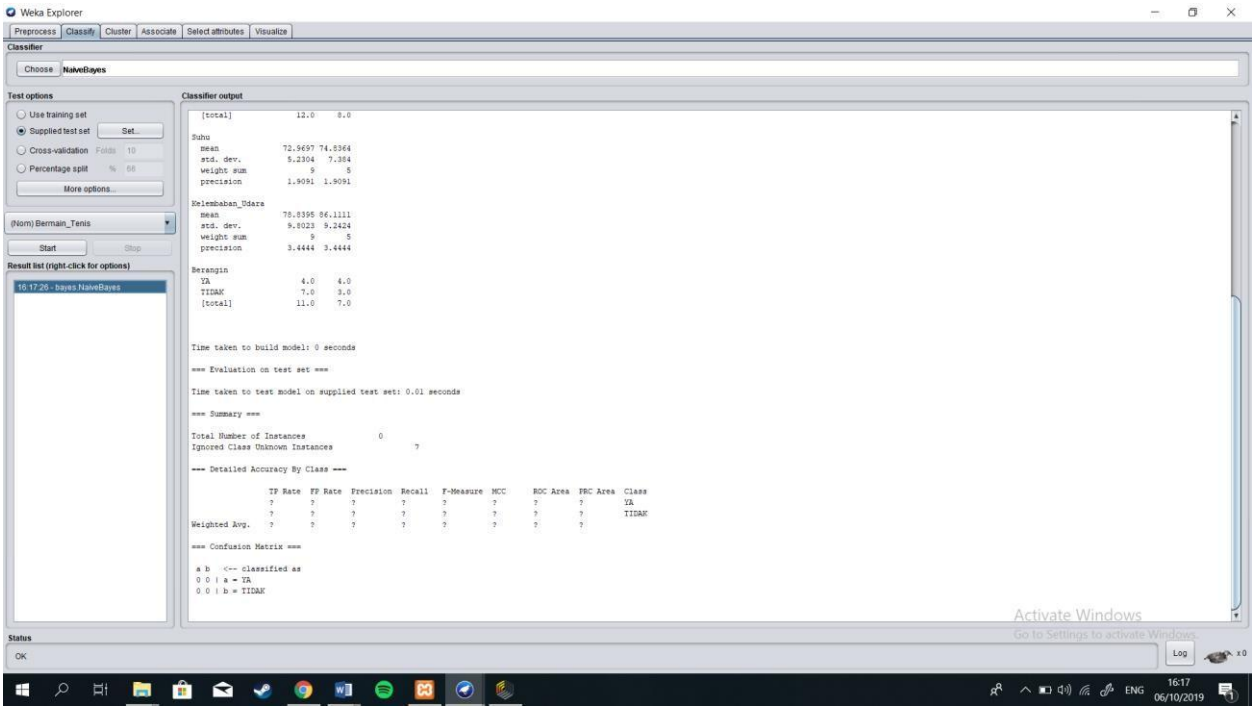
Kelas : A

Langkah

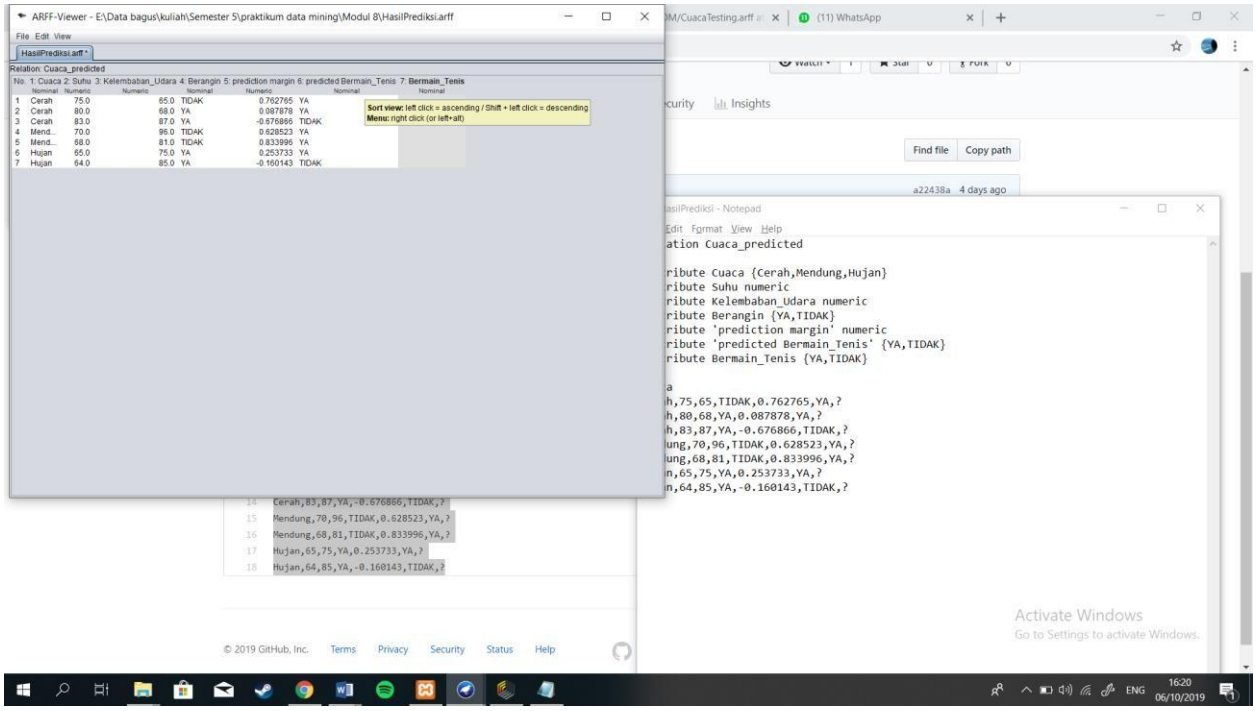
8.4 5.



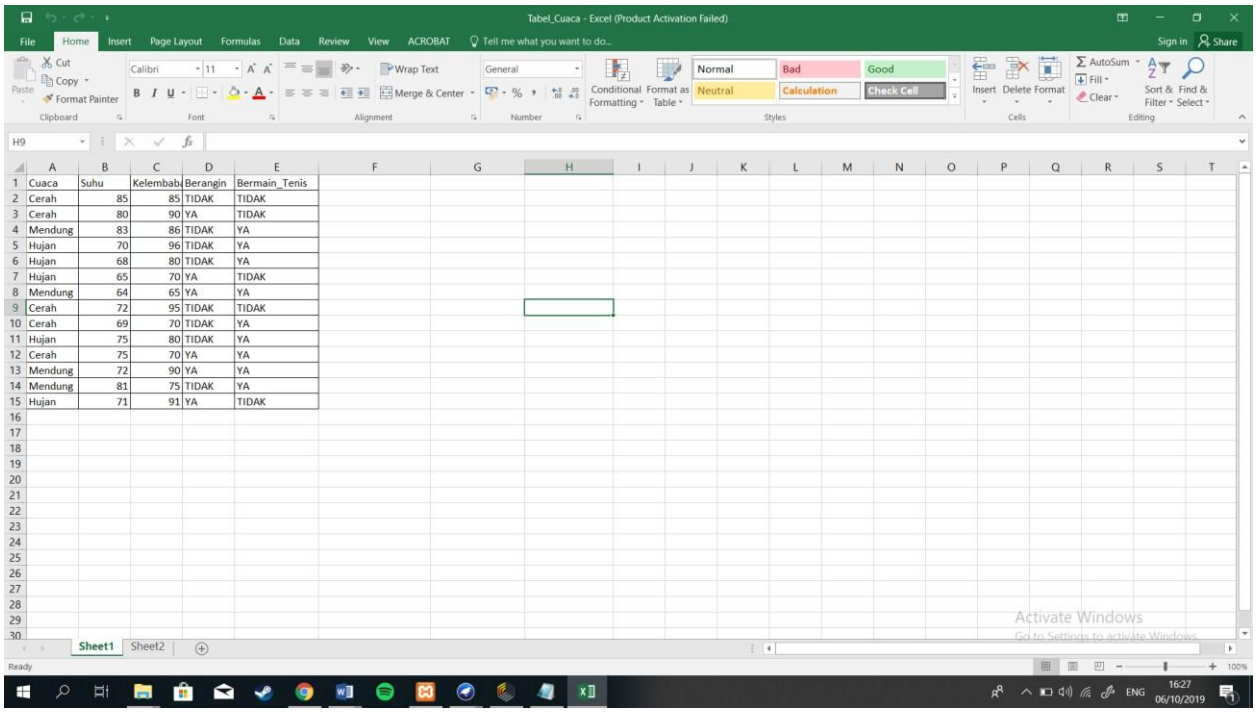
14.

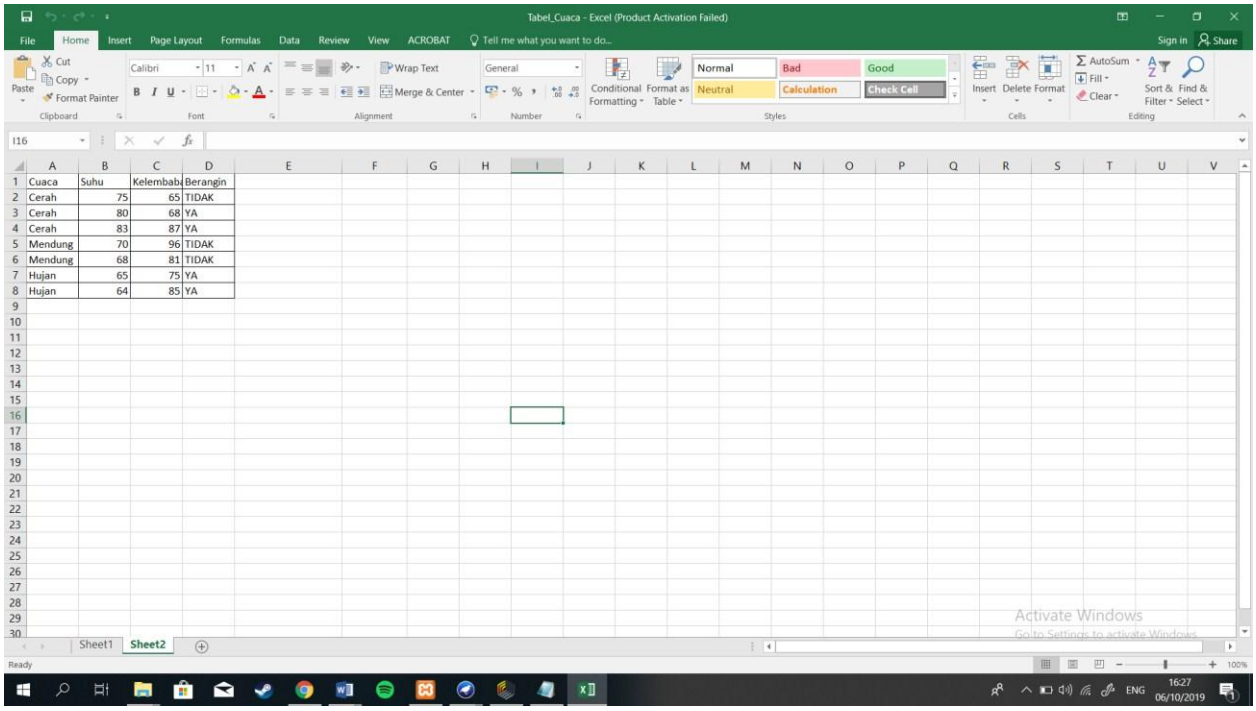


19.

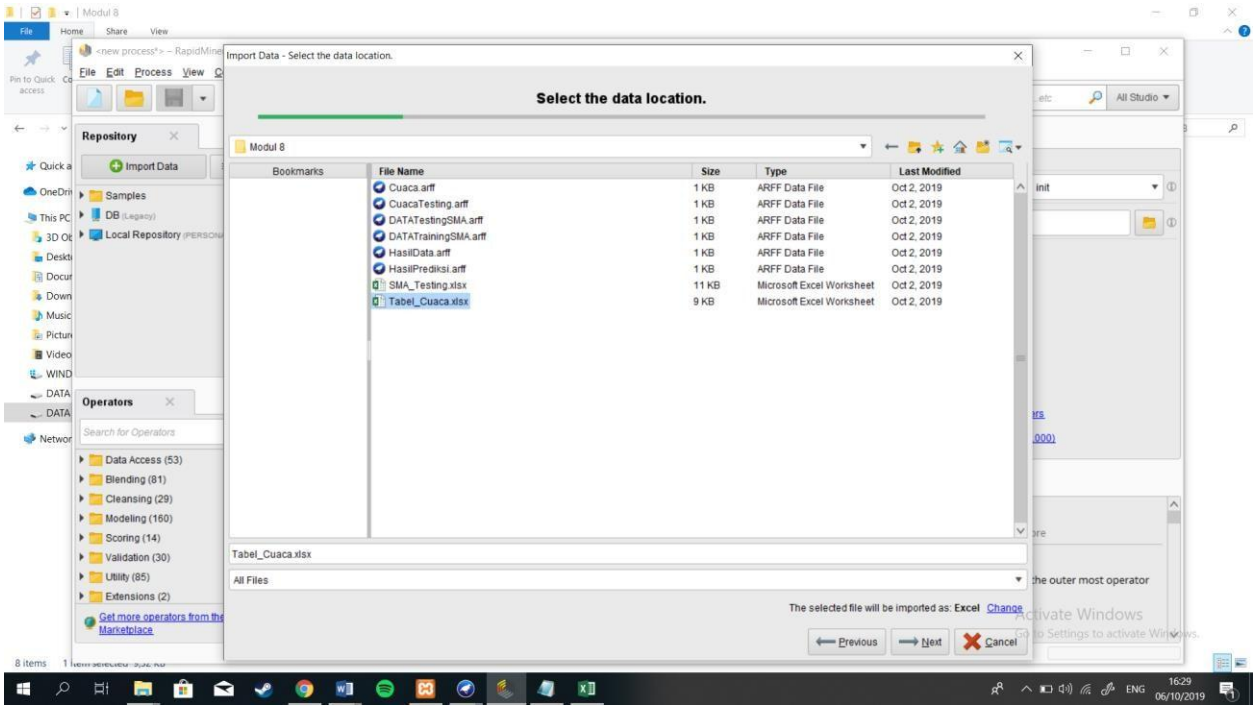

ARFF-Viewer - E:\Data bagus\kuliah\Semester 5\praktikum data mining\Modul 8\HasilPrediksi.arff
File Edit View
HasilPrediksi.arff
Relation: Cuaca_predicted
No. 1: Cuaca 2: Suhu 3: Kelembaban_Udara 4: Berangin 5: prediction margin 6: predicted Bermain_Tenis 7: Bermain_Tenis
Nominal Numeric Numeric Nominal Numeric Nominal Nominal
1 Cerah 75.0 65.0 TIDAK 0.762765 YA
2 Cerah 80.0 68.0 YA 0.087878 YA
3 Cerah 83.0 87.0 YA -0.676866 TIDAK
4 Mend... 70.0 96.0 TIDAK 0.628523 YA
5 Mend... 68.0 81.0 TIDAK 0.833996 YA
6 Hujan 65.0 75.0 YA 0.253733 YA
7 Hujan 64.0 85.0 YA -0.160143 TIDAK
Sort view: left click = ascending / Shift + left click = descending
Menu: right click (or left+alt)
Find file
Copy path
a22438a 4 days ago
Edit Format View Help
ation Cuaca_predicted
ribute Cuaca {Cerah,Mendung,Hujan}
ribute Suhu numeric
ribute Kelembaban_Udara numeric
ribute Berangin {YA,TIDAK}
ribute 'prediction margin' numeric
ribute 'predicted Bermain_Tenis' {YA,TIDAK}
ribute Bermain_Tenis {YA,TIDAK}
a
h,75,65,TIDAK,0.762765,YA,?
h,80,68,YA,0.087878,YA,?
h,83,87,YA,-0.676866,TIDAK,?
ung,70,96,TIDAK,0.628523,YA,?
ung,68,81,TIDAK,0.833996,YA,?
n,65,75,YA,0.253733,YA,?
n,64,85,YA,-0.160143,TIDAK,?
Cerah,83,87,YA,-0.676866,TIDAK,?
Mendung,70,96,TIDAK,0.628523,YA,?
Mendung,68,81,TIDAK,0.833996,YA,?
Hujan,65,75,YA,0.253733,YA,?
Hujan,64,85,YA,-0.160143,TIDAK,?
© 2019 GitHub, Inc. Terms Privacy Security Status Help
Activate Windows
Go to Settings to activate Windows.
ENG 16:20 06/10/2019

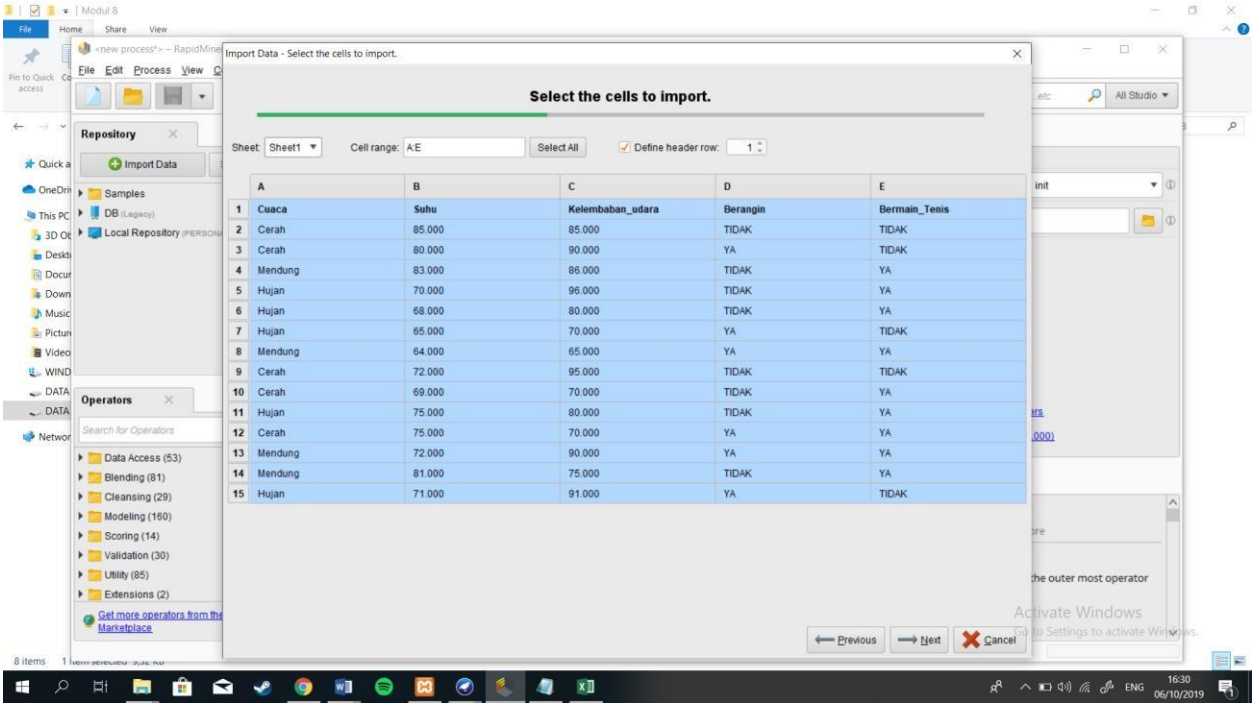
8.4.2 1.


Tabel_Cuaca - Excel (Product Activation Failed)
File Home Insert Page Layout Formulas Data Review View ACROBAT Tell me what you want to do...
Sign in Share
Cut Copy Format Painter Paste Clipboard
Calibri 11 Font
Wrap Text Merge & Center Alignment
General Number
Normal Bad Good Neutral Calculation Check Cell Styles
Conditional Formatting Format as Table
Insert Delete Format Cells
AutoSum Fill Clear Sort & Filter Find & Select Editing
H9
Cuaca Suhu Kelembaba Berangin Bermain_Tenis
Cerah 85 85 TIDAK TIDAK
Cerah 80 90 YA TIDAK
Mendung 83 86 TIDAK YA
Hujan 70 96 TIDAK YA
Hujan 68 80 TIDAK YA
Hujan 65 70 YA TIDAK
Mendung 64 65 YA YA
Cerah 72 95 TIDAK TIDAK
Cerah 69 70 TIDAK YA
Hujan 75 80 TIDAK YA
Cerah 75 70 YA YA
Mendung 72 90 YA YA
Mendung 81 75 TIDAK YA
Hujan 71 91 YA TIDAK
Sheet1 Sheet2
Ready
Activate Windows
Go to Settings to activate Windows.
ENG 16:27 06/10/2019



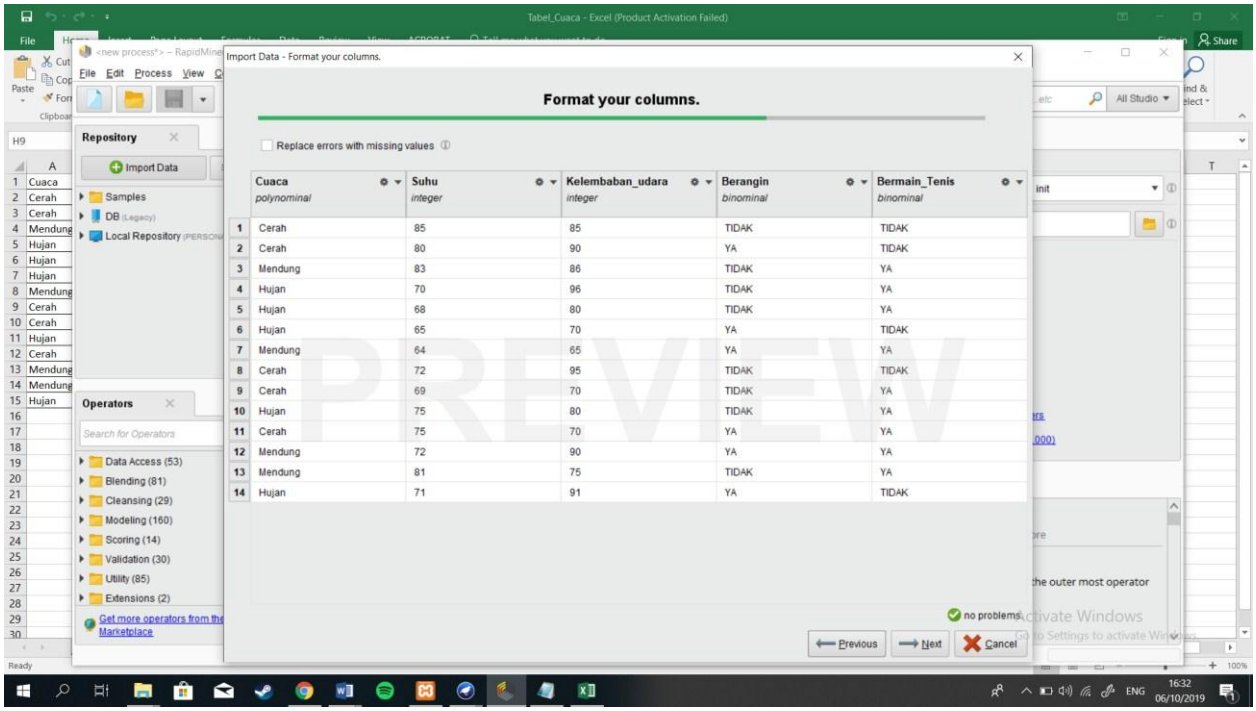
	A	B	C	D
1	Cuaca	Suhu	Kelembaba	Berangin
2	Cerah	75	65	TIDAK
3	Cerah	80	68	YA
4	Cerah	83	87	YA
5	Mendung	70	96	TIDAK
6	Mendung	68	81	TIDAK
7	Hujan	65	75	YA
8	Hujan	64	85	YA





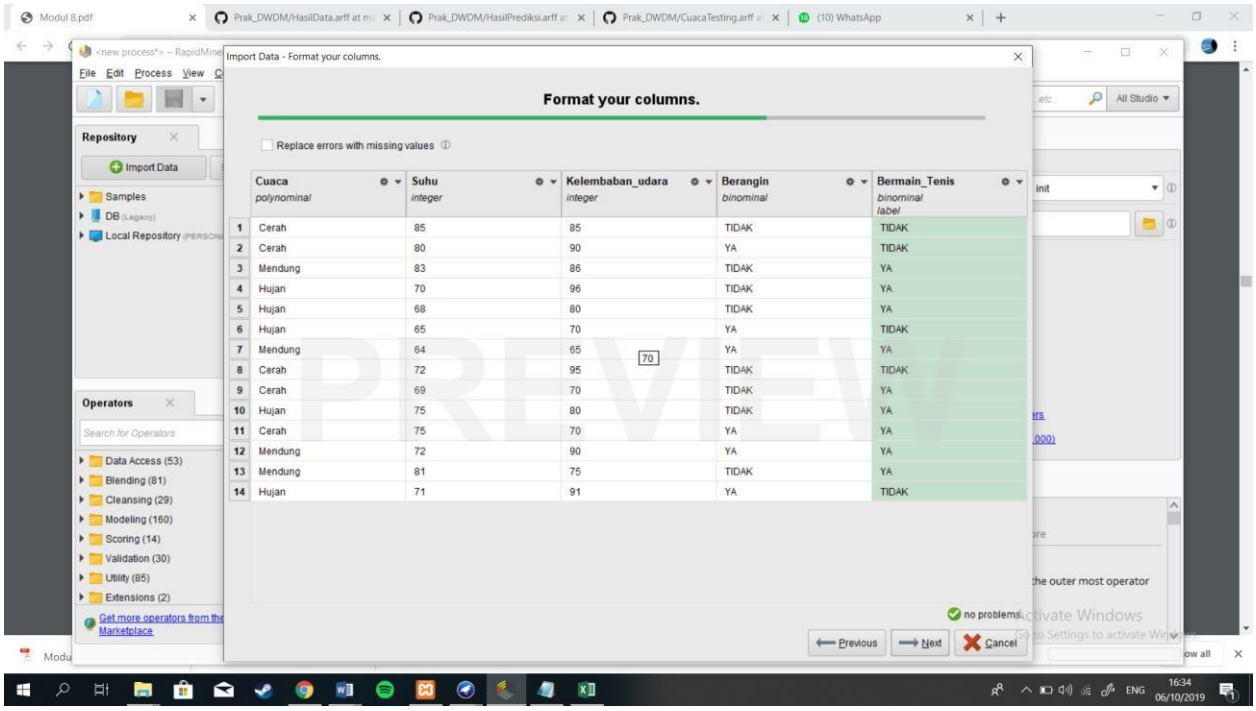
	A	B	C	D	E
1	Cuaca	Suhu	Kelembaban_udara	Berangin	Bermain_Tenis
2	Cerah	85.000	85.000	TIDAK	TIDAK
3	Cerah	80.000	90.000	YA	TIDAK
4	Mendung	83.000	86.000	TIDAK	YA
5	Hujan	70.000	96.000	TIDAK	YA
6	Hujan	68.000	80.000	TIDAK	YA
7	Hujan	65.000	70.000	YA	TIDAK
8	Mendung	64.000	65.000	YA	YA
9	Cerah	72.000	95.000	TIDAK	TIDAK
10	Cerah	69.000	70.000	TIDAK	YA
11	Hujan	75.000	80.000	TIDAK	YA
12	Cerah	75.000	70.000	YA	YA
13	Mendung	72.000	90.000	YA	YA
14	Mendung	81.000	75.000	TIDAK	YA
15	Hujan	71.000	91.000	YA	TIDAK

7.

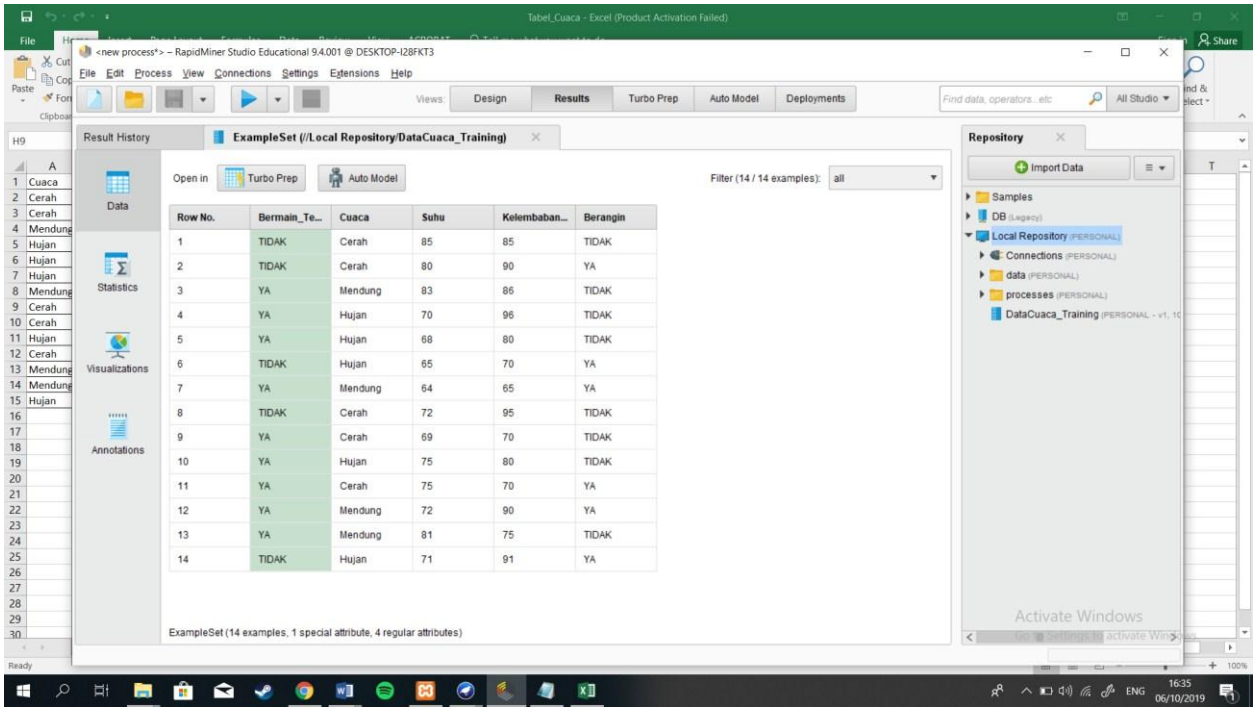


	Cuaca *polynominal*	Suhu *integer*	Kelembaban_udara *integer*	Berangin *binominal*	Bermain_Tenis *binominal*
1	Cerah	85	85	TIDAK	TIDAK
2	Cerah	80	90	YA	TIDAK
3	Mendung	83	86	TIDAK	YA
4	Hujan	70	96	TIDAK	YA
5	Hujan	68	80	TIDAK	YA
6	Hujan	65	70	YA	TIDAK
7	Mendung	64	65	YA	YA
8	Cerah	72	95	TIDAK	TIDAK
9	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

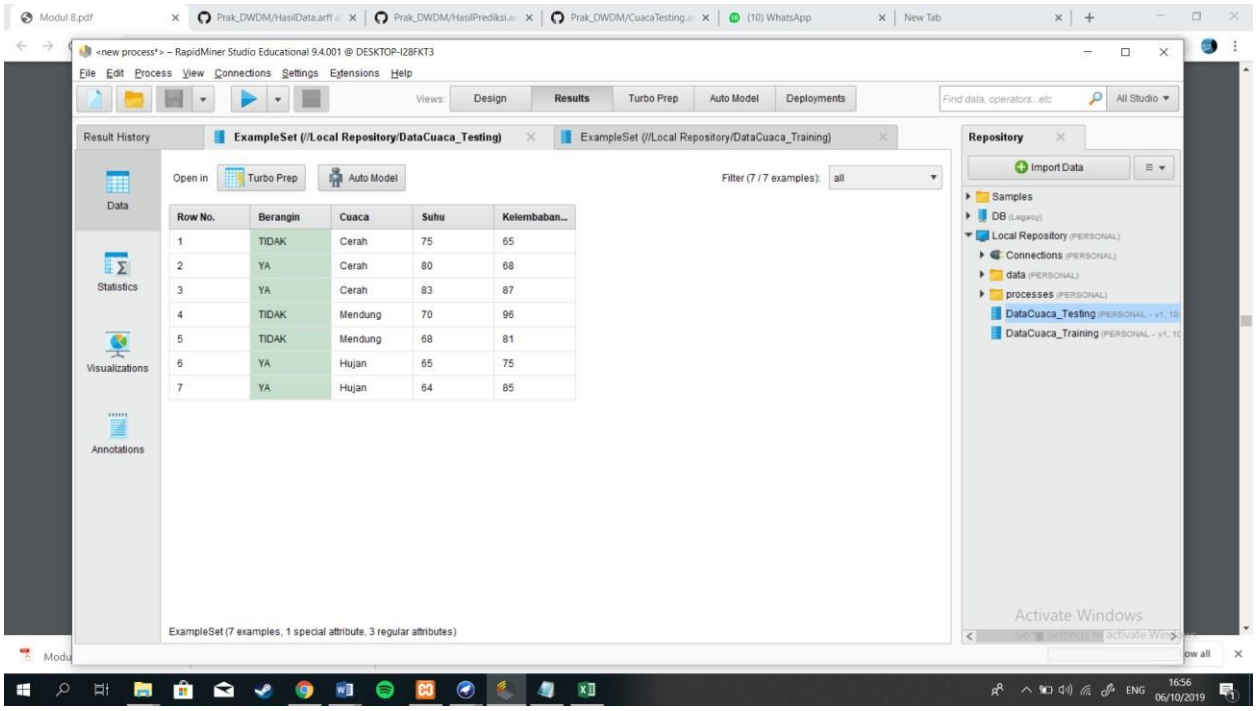
8.


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

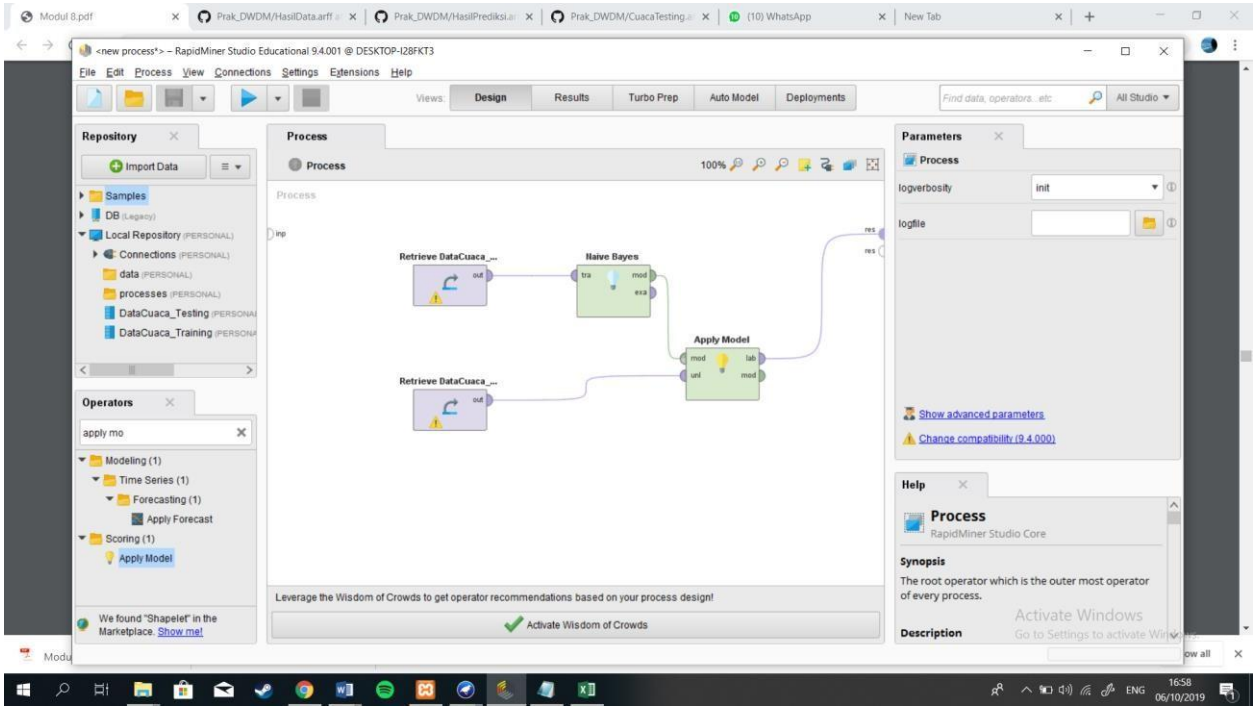
10.


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
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)
Data
Statistics
Visualizations
Annotations
Repository
Import Data
Samples
DB (Legacy)
Local Repository (PERSONAL)
Connections (PERSONAL)
data (PERSONAL)
processes (PERSONAL)
DataCuaca_Training (PERSONAL - v1, 1

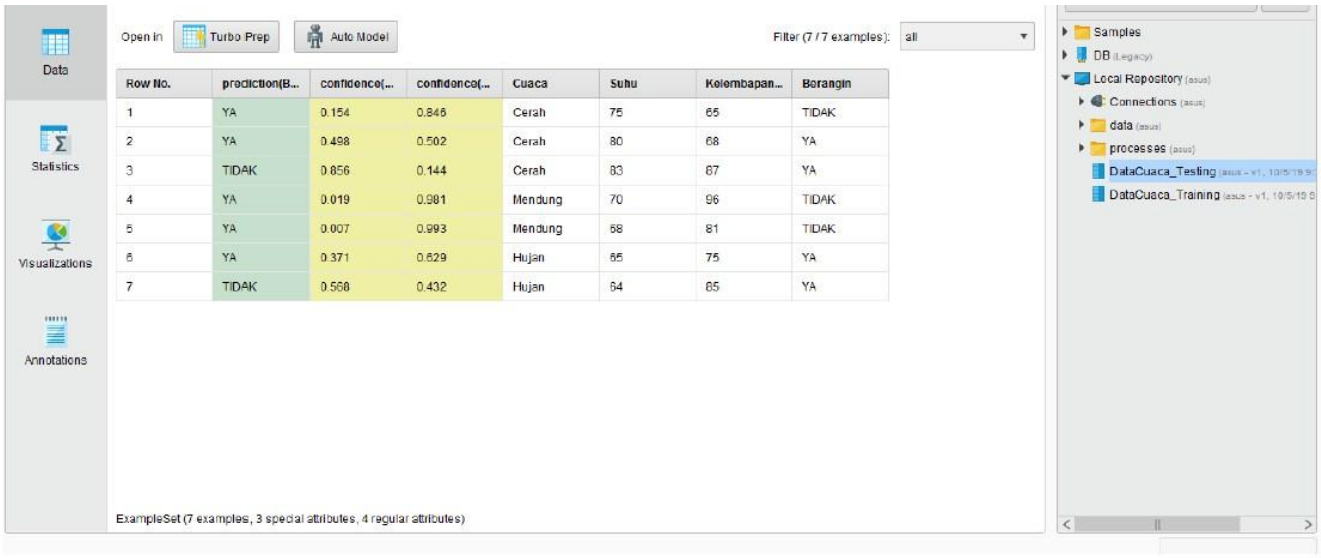
13.


<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
Data
Statistics
Visualizations
Annotations
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, 10)
DataCuaca_Training (PERSONAL - v1, 10)
Activate Windows
ENG 16:56 06/10/2019

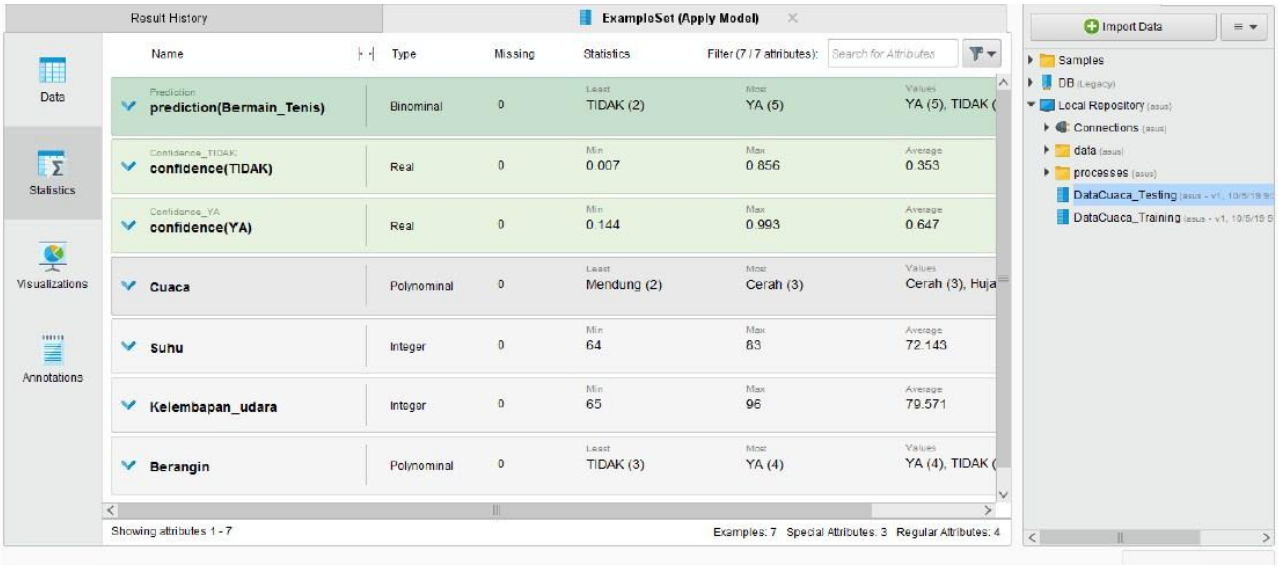
15.


<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 (PERSONAL)
DataCuaca_Training (PERSONAL)
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
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
ENG 16:58 06/10/2019

17.

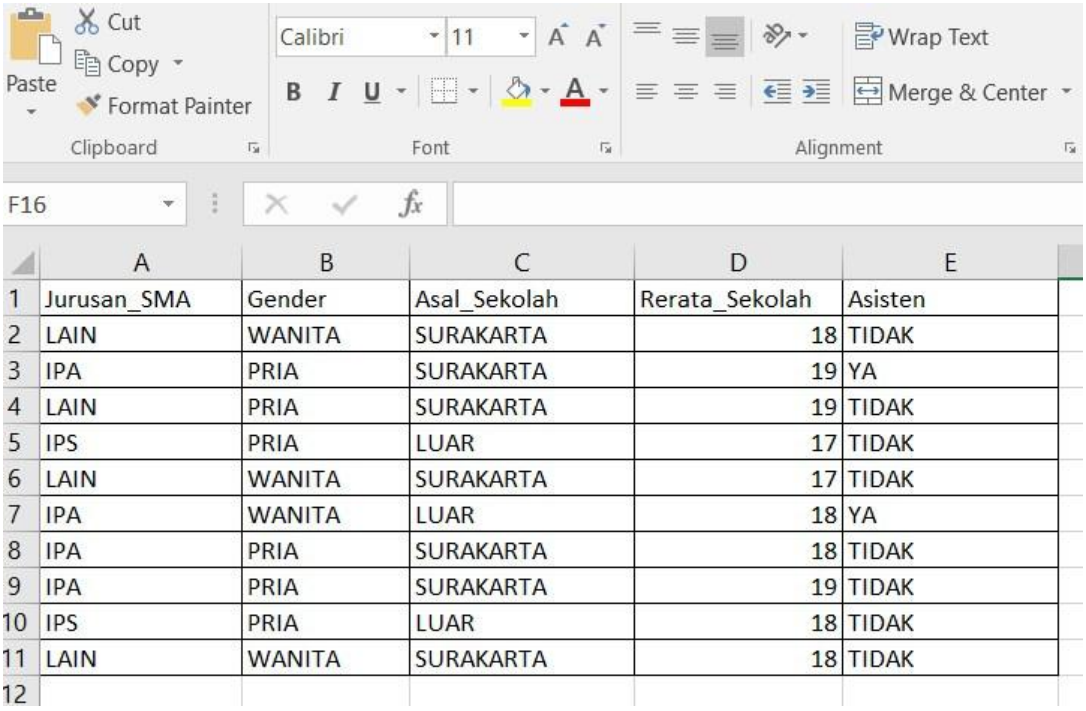

Data
Statistics
Visualizations
Annotations
Open in
Turbo Prep
Auto Model
Filter (7 / 7 examples):
all
Row No. | prediction(B... | confidence(... | confidence(... | Cuaca | Suhu | Kelembapan... | Berangin
1 | YA | 0.154 | 0.846 | Cerah | 75 | 65 | TIDAK
2 | YA | 0.498 | 0.502 | Cerah | 80 | 68 | YA
3 | TIDAK | 0.856 | 0.144 | Cerah | 83 | 87 | 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

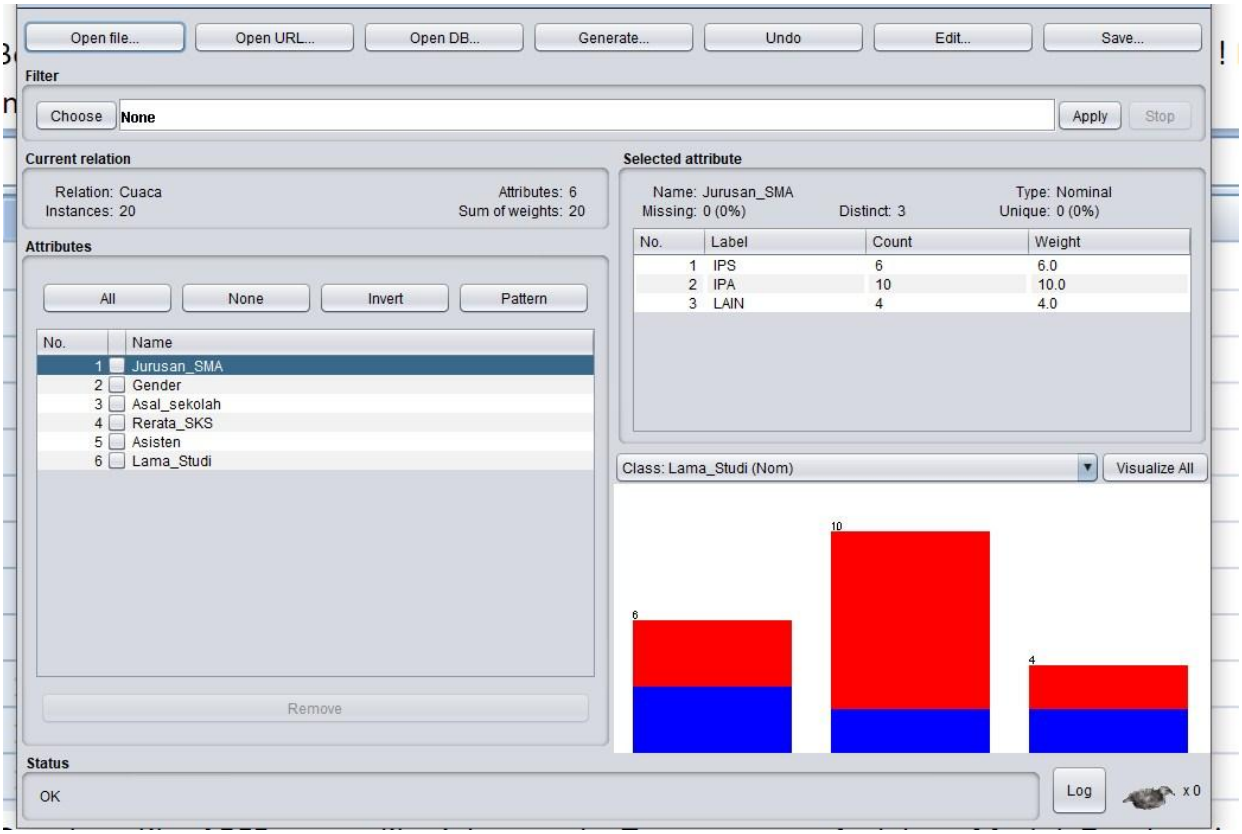
TUGAS

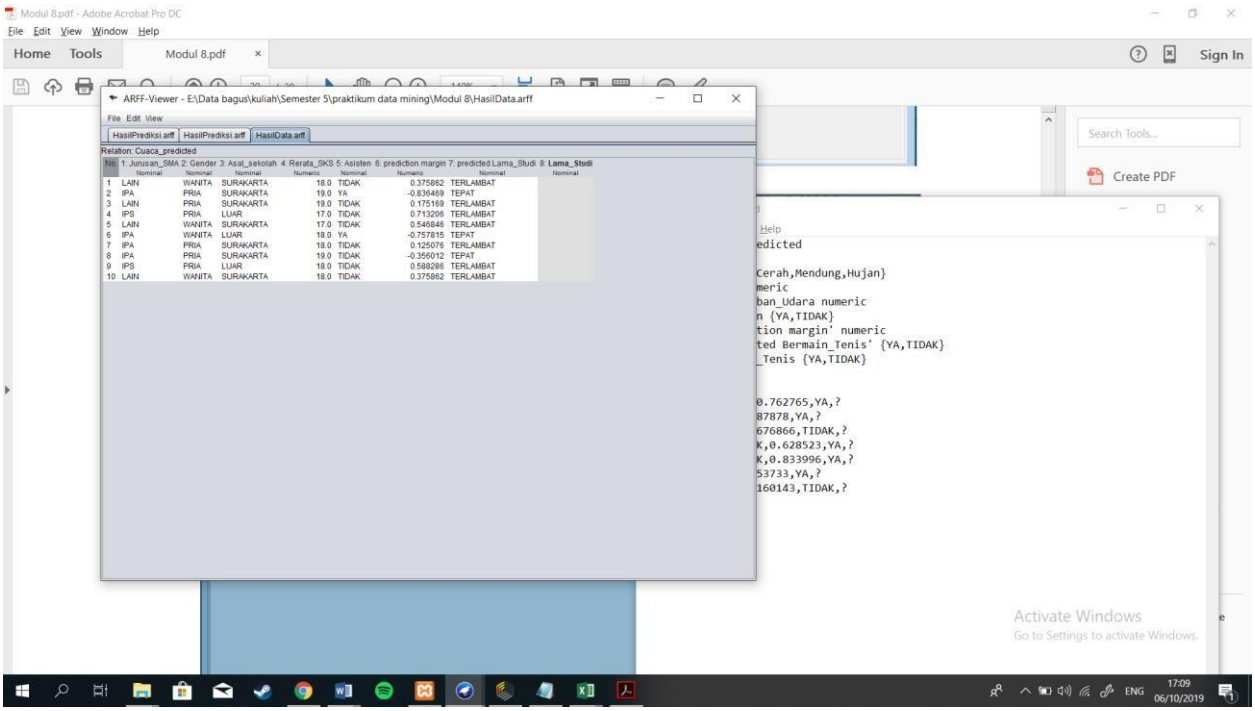
1.



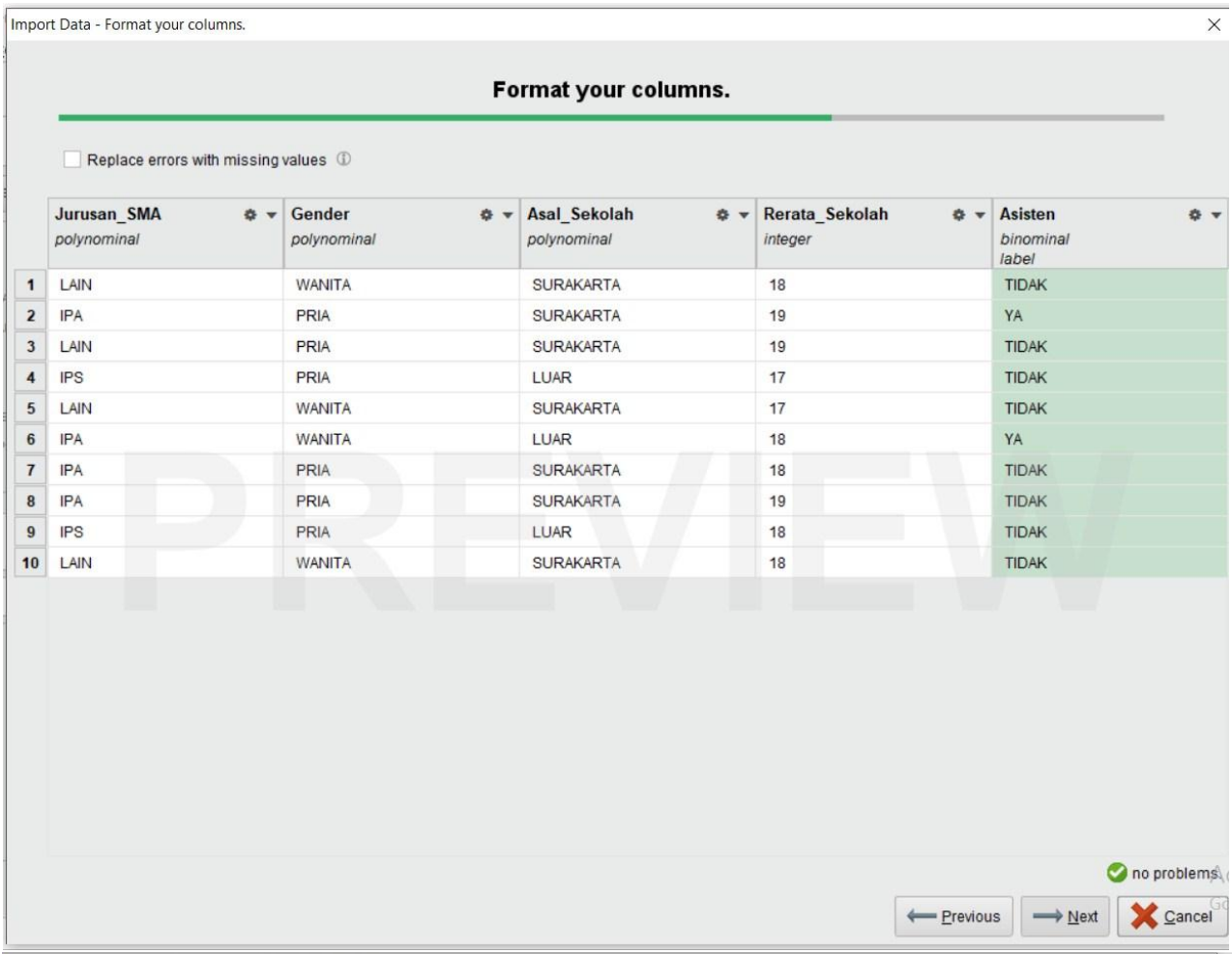
	A	B	C	D	E
1	Jurusan_SMA	Gender	Asal_Sekolah	Rerata_Sekolah	Asisten
2	LAIN	WANITA	SURAKARTA	18	TIDAK
3	IPA	PRIA	SURAKARTA	19	YA
4	LAIN	PRIA	SURAKARTA	19	TIDAK
5	IPS	PRIA	LUAR	17	TIDAK
6	LAIN	WANITA	SURAKARTA	17	TIDAK
7	IPA	WANITA	LUAR	18	YA
8	IPA	PRIA	SURAKARTA	18	TIDAK
9	IPA	PRIA	SURAKARTA	19	TIDAK
10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

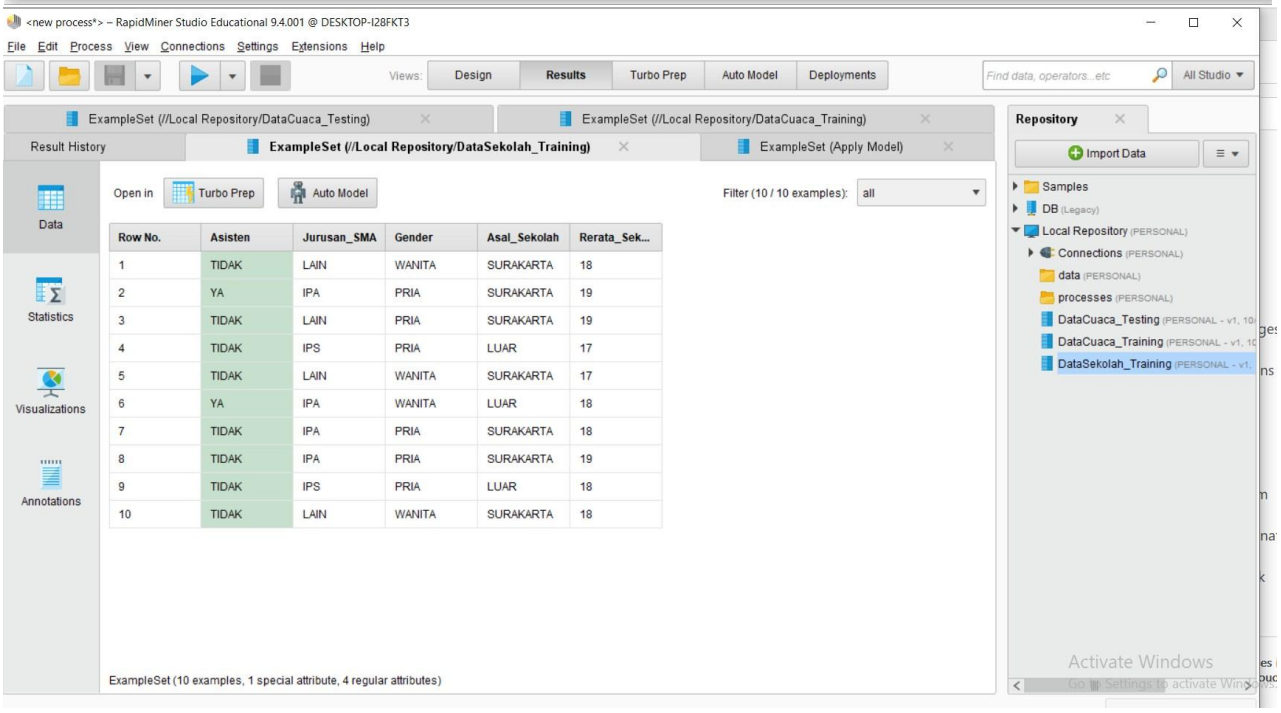
2.



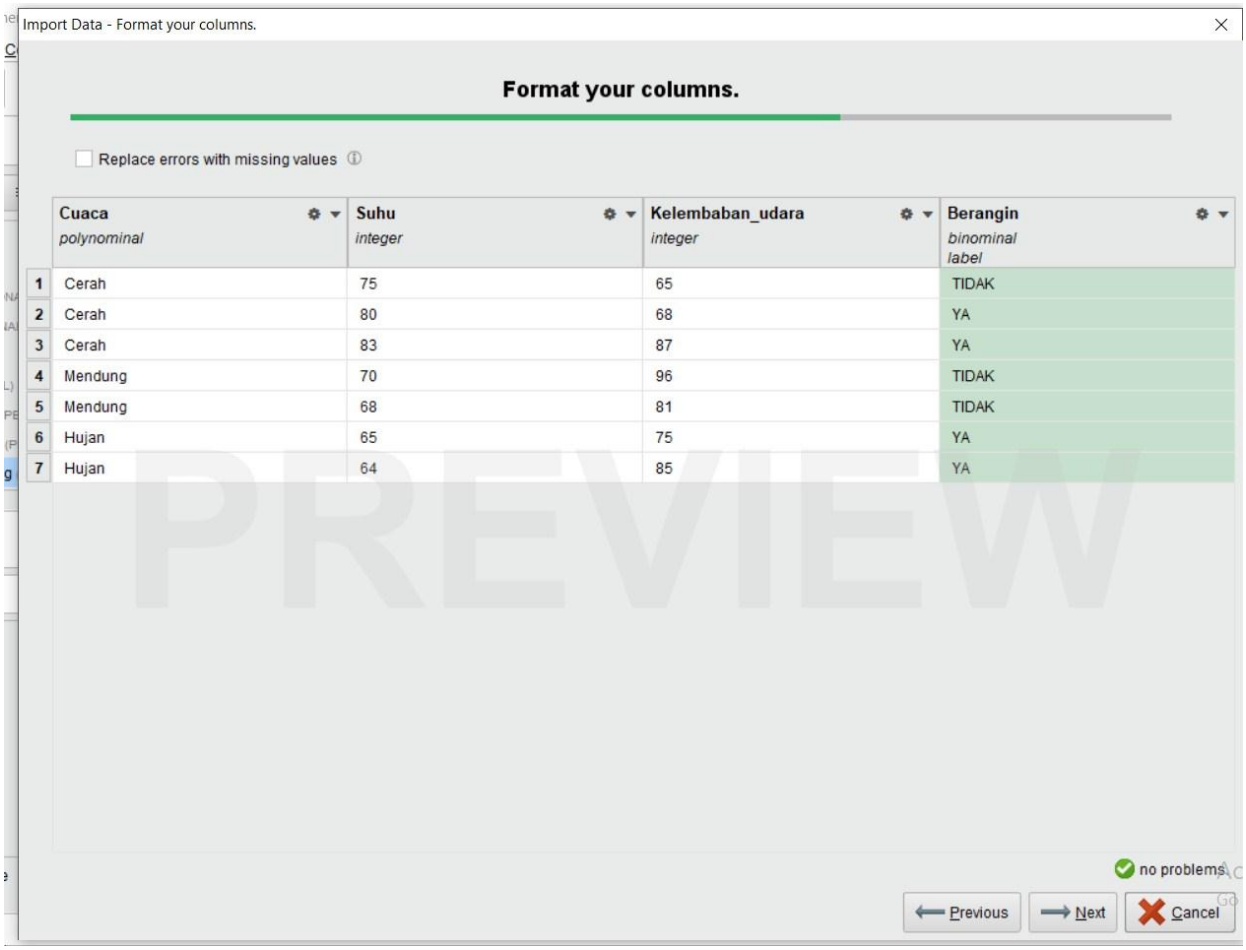


3.Data Training

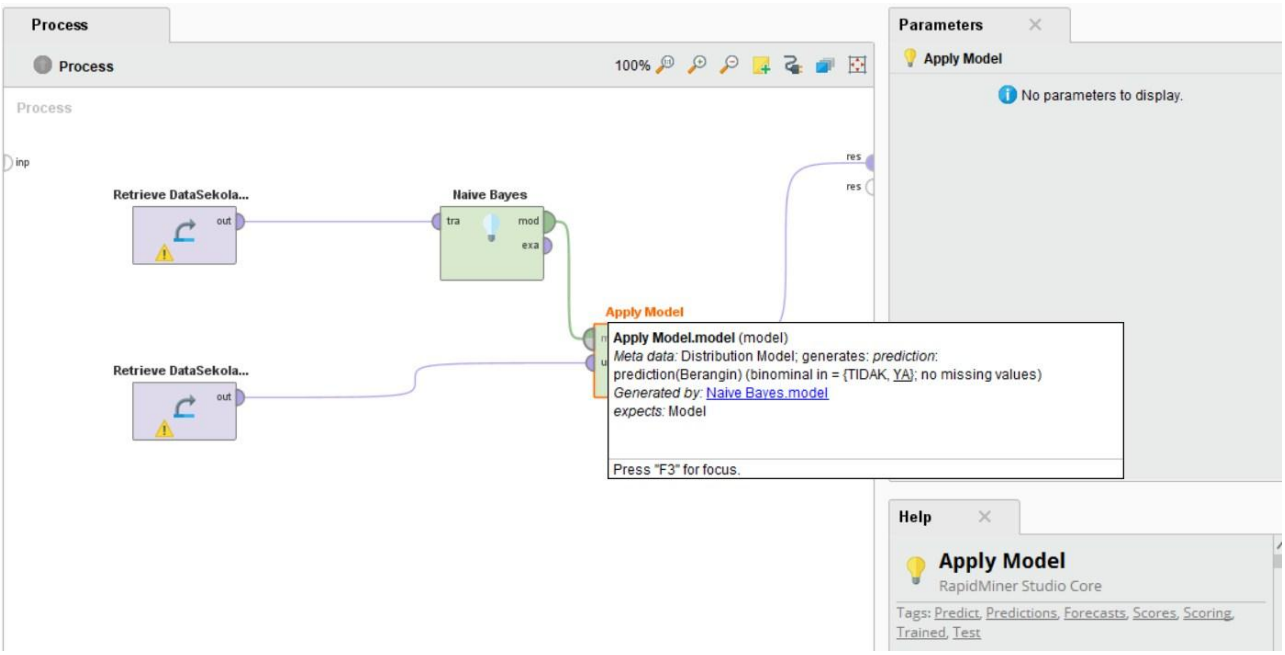

Import Data - Format your columns.
Format your columns.
Replace errors with missing values
Jurusan_SMA polynominal
Gender polynominal
Asal_Sekolah polynominal
Rerata_Sekolah integer
Asisten binominal label
1 LAIN WANITA SURAKARTA 18 TIDAK
2 IPA PRIA SURAKARTA 19 YA
3 LAIN PRIA SURAKARTA 19 TIDAK
4 IPS PRIA LUAR 17 TIDAK
5 LAIN WANITA SURAKARTA 17 TIDAK
6 IPA WANITA LUAR 18 YA
7 IPA PRIA SURAKARTA 18 TIDAK
8 IPA PRIA SURAKARTA 19 TIDAK
9 IPS PRIA LUAR 18 TIDAK
10 LAIN WANITA SURAKARTA 18 TIDAK
PREVIEW
no problems.
Previous
Next
Cancel


<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

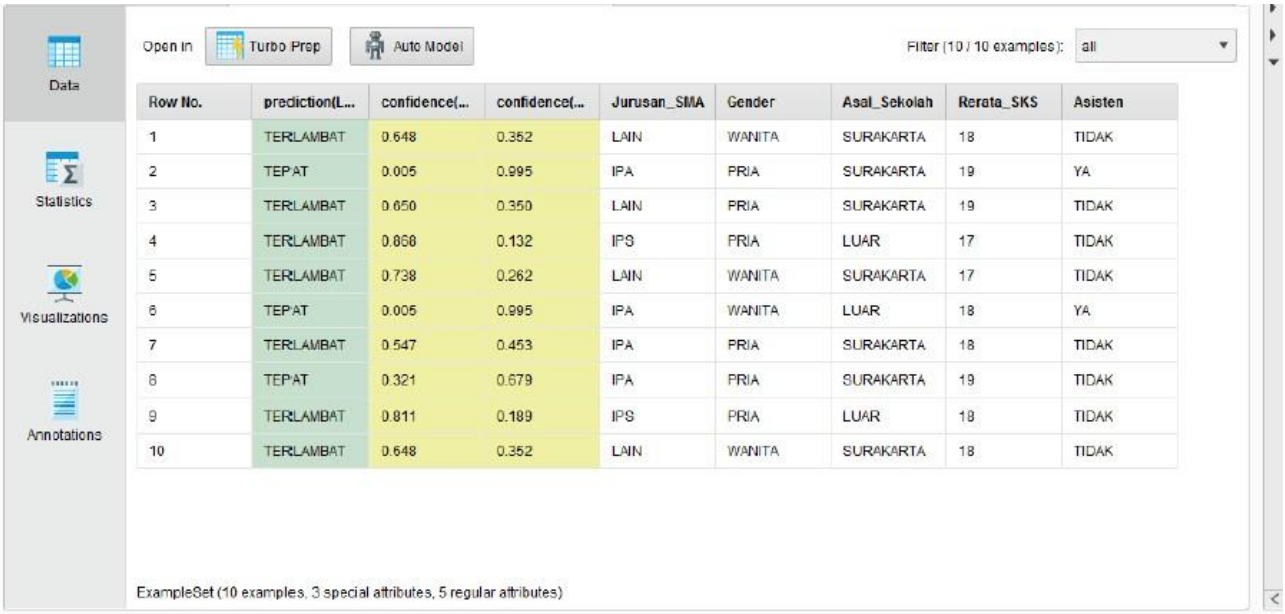
b.Data Testing



c.implementasi naïve bayes



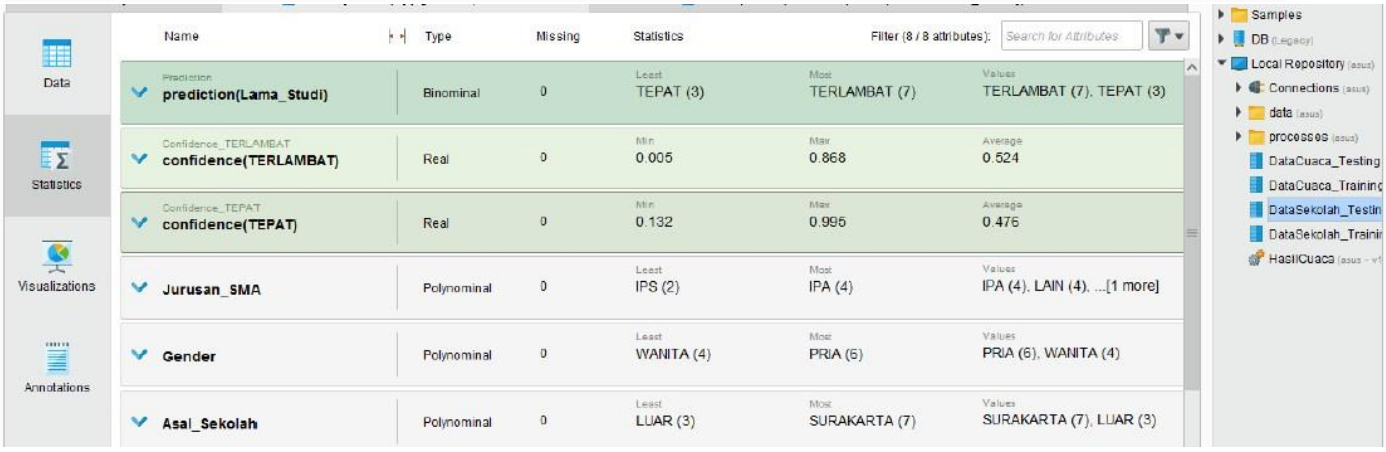
d.hasil



Open in Turbo Prep | Auto Model | Filter (10 / 10 examples): all

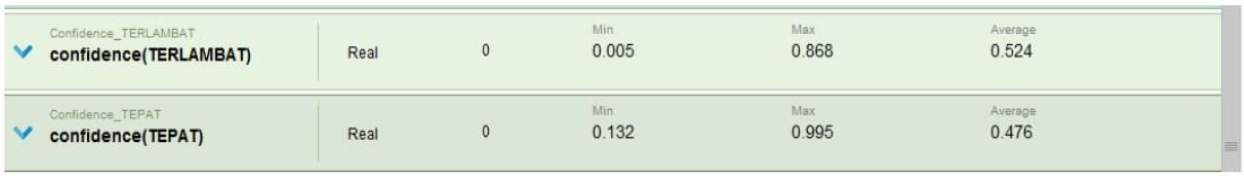
Row No.	prediction(L...	confidence(...	confidence(...	Jurusan_SMA	Gender	Asal_Sekolah	Rerata_SKS	Asisten
1	TERLAMBAT	0.648	0.352	LAIN	WANITA	SURAKARTA	18	TIDAK
2	TEPAT	0.005	0.995	IPA	PRIA	SURAKARTA	19	YA
3	TERLAMBAT	0.650	0.350	LAIN	PRIA	SURAKARTA	19	TIDAK
4	TERLAMBAT	0.868	0.132	IPS	PRIA	LUAR	17	TIDAK
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)



Name	Type	Missing	Statistics		
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)

4.



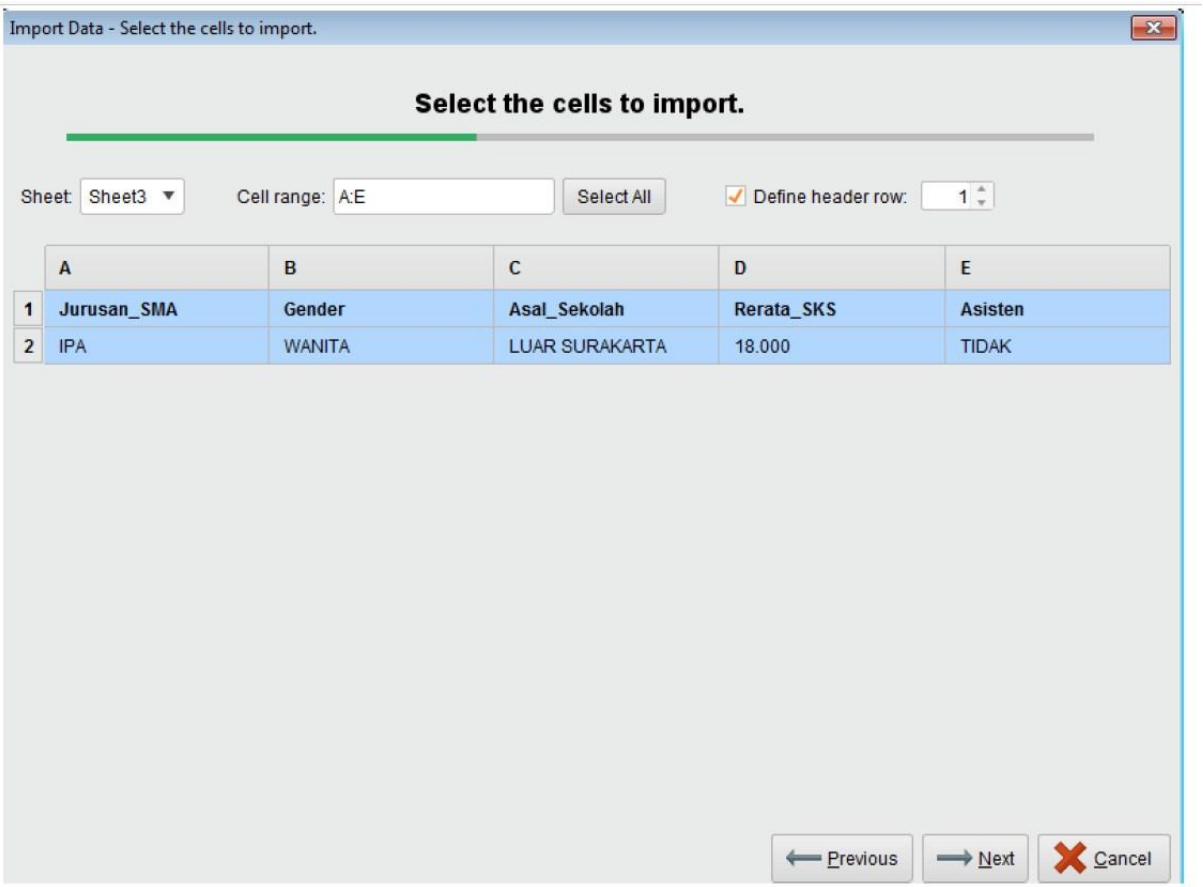
confidence(TERLAMBAT)	Real	0	Min: 0.005	Max: 0.868	Average: 0.524
confidence(TEPAT)	Real	0	Min: 0.132	Max: 0.995	Average: 0.476

5.

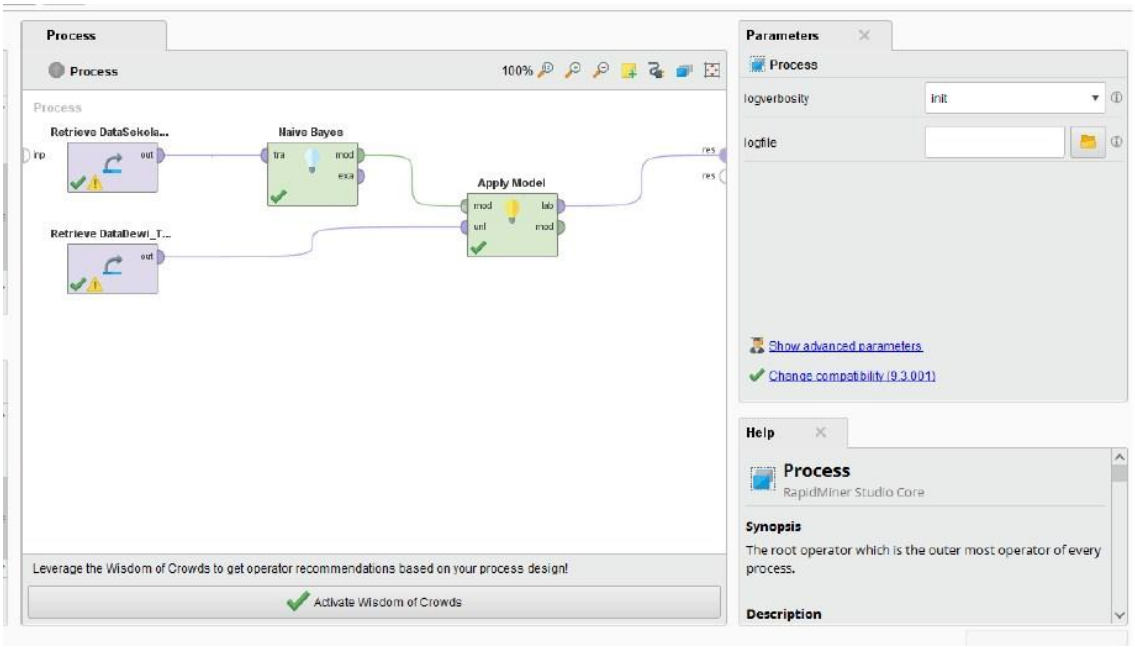
prediction(Lama_Studi)	Binominal	0	Least: TEPAT (3)	Most: TERLAMBAT (7)	Values: TERLAMBAT (7), TEPAT (3)

6.

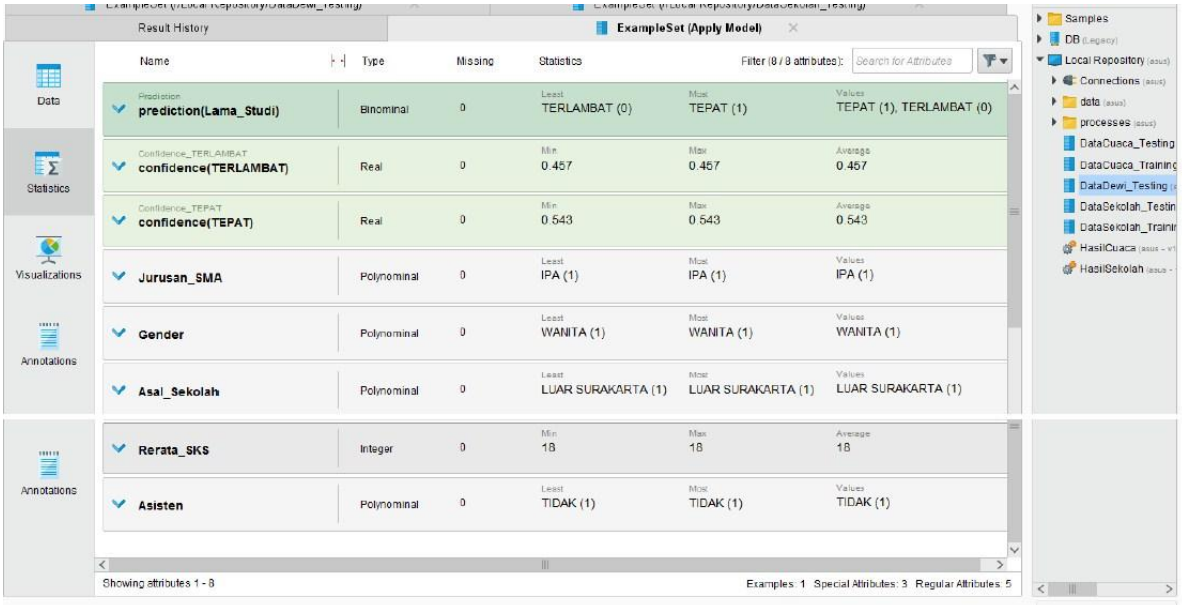
a.


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

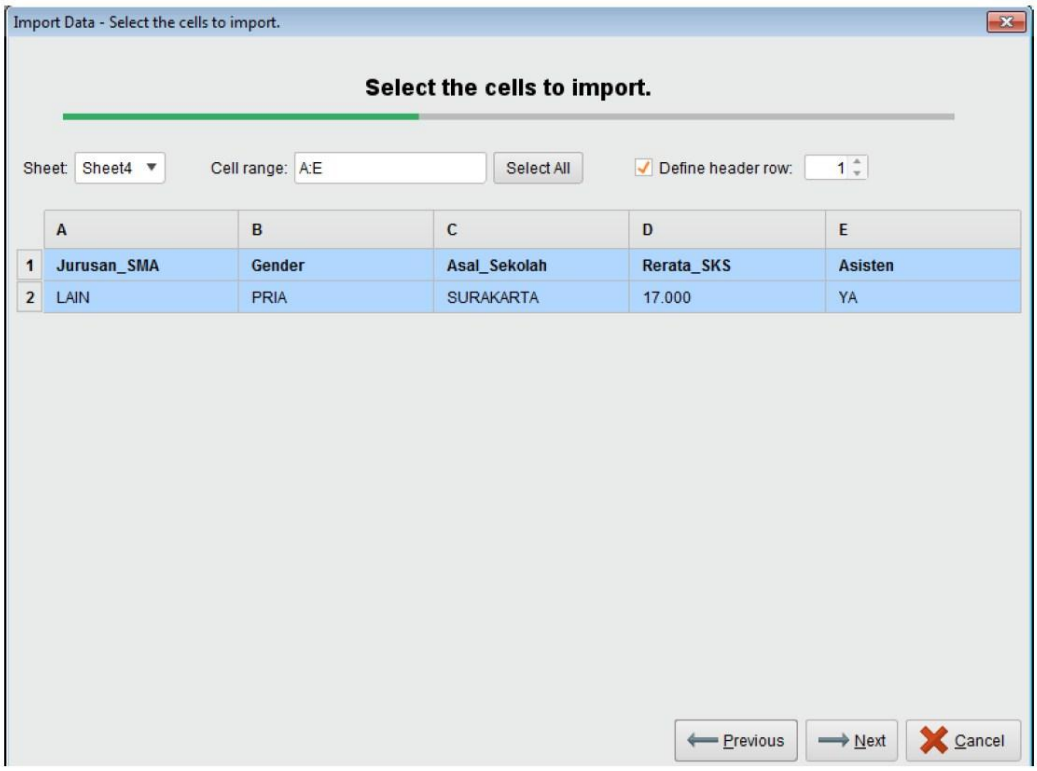


c.hasil

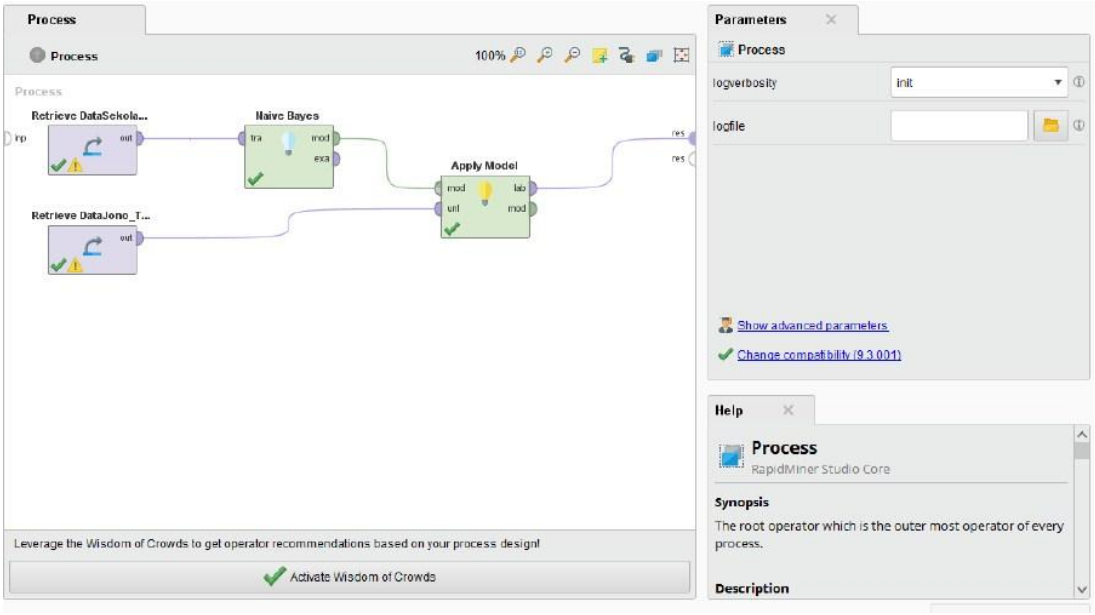


Berdasarkan hasil di atas maka prediksi untuk Dewi dia akan lulus dengan tepat

7.

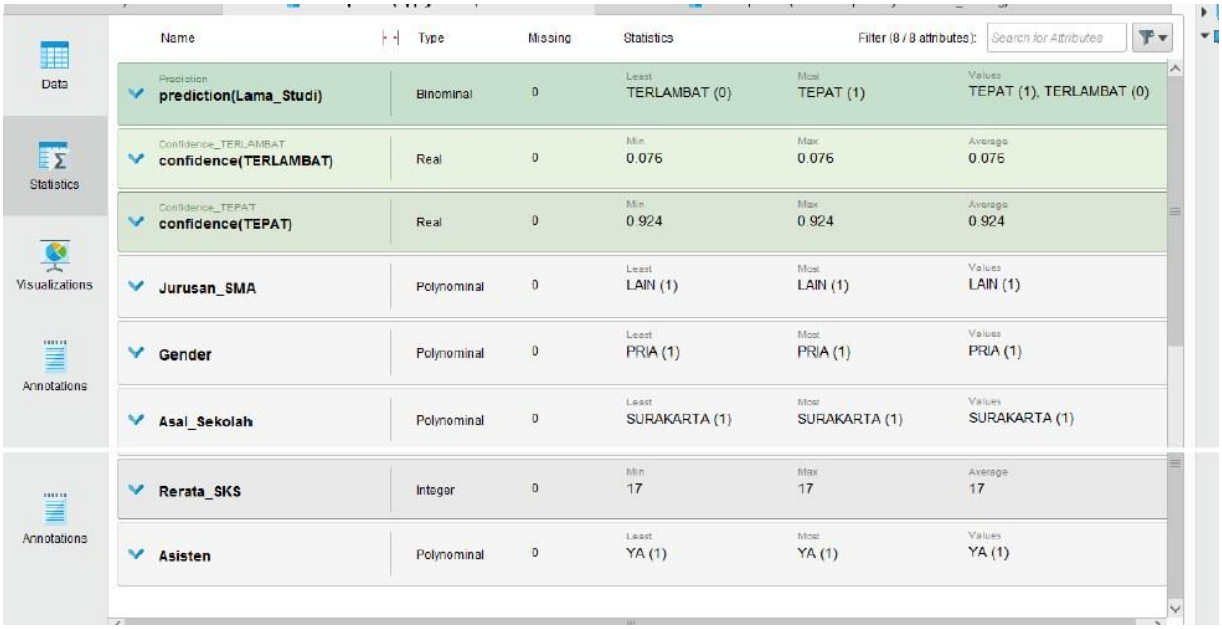


b.Naive bayes



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