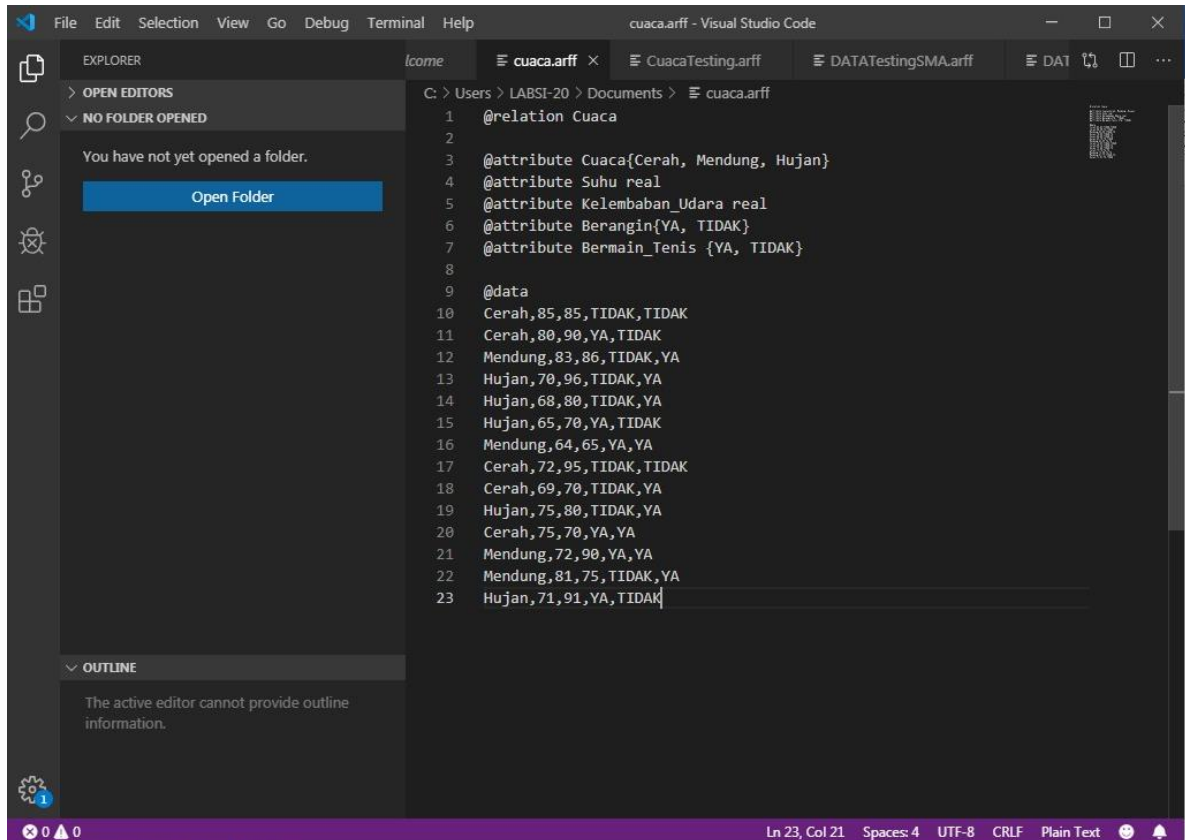


Nama : Fitri Cahya Kusumawati
NIM : L200170110
Kelas : D

KEGIATAN

1. Membuat file cuaca.arff

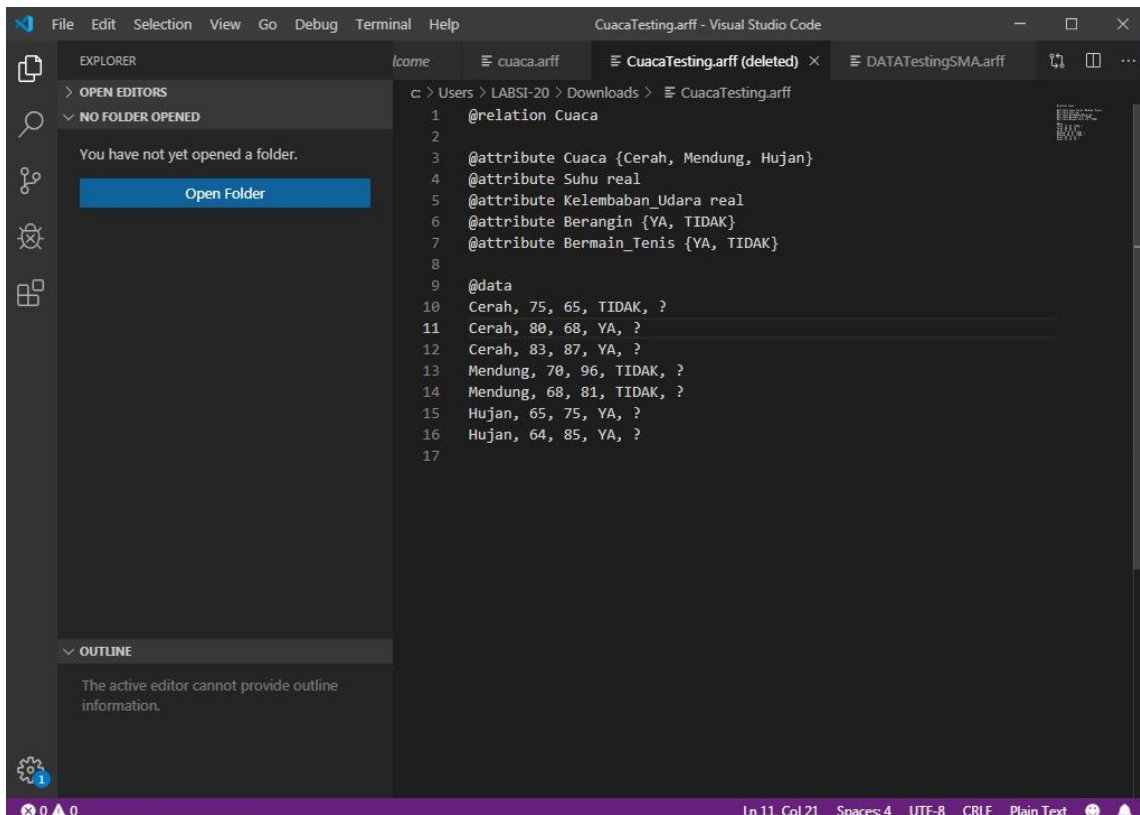


The screenshot shows the Visual Studio Code interface with the file 'cuaca.arff' open in the editor. The Explorer sidebar on the left shows the file structure, and the Outline sidebar is empty. The editor window displays the following content:

```
1 @relation Cuaca
2
3 @attribute Cuaca{Cerah, Mendung, Hujan}
4 @attribute Suhu real
5 @attribute Kelembaban_Udara real
6 @attribute Berangin{YA, TIDAK}
7 @attribute Bermain_Tenis {YA, TIDAK}
8
9 @data
10 Cerah,85,85,TIDAK,TIDAK
11 Cerah,80,90,YA,TIDAK
12 Mendung,83,86,TIDAK,YA
13 Hujan,70,96,TIDAK,YA
14 Hujan,68,80,TIDAK,YA
15 Hujan,65,70,YA,TIDAK
16 Mendung,64,65,YA,YA
17 Cerah,72,95,TIDAK,TIDAK
18 Cerah,69,70,TIDAK,YA
19 Hujan,75,80,TIDAK,YA
20 Cerah,75,70,YA,YA
21 Mendung,72,90,YA,YA
22 Mendung,81,75,TIDAK,YA
23 Hujan,71,91,YA,TIDAK
```

The status bar at the bottom indicates the current position is Line 23, Column 21, with 4 spaces, UTF-8 encoding, CRLF line endings, and Plain Text format.

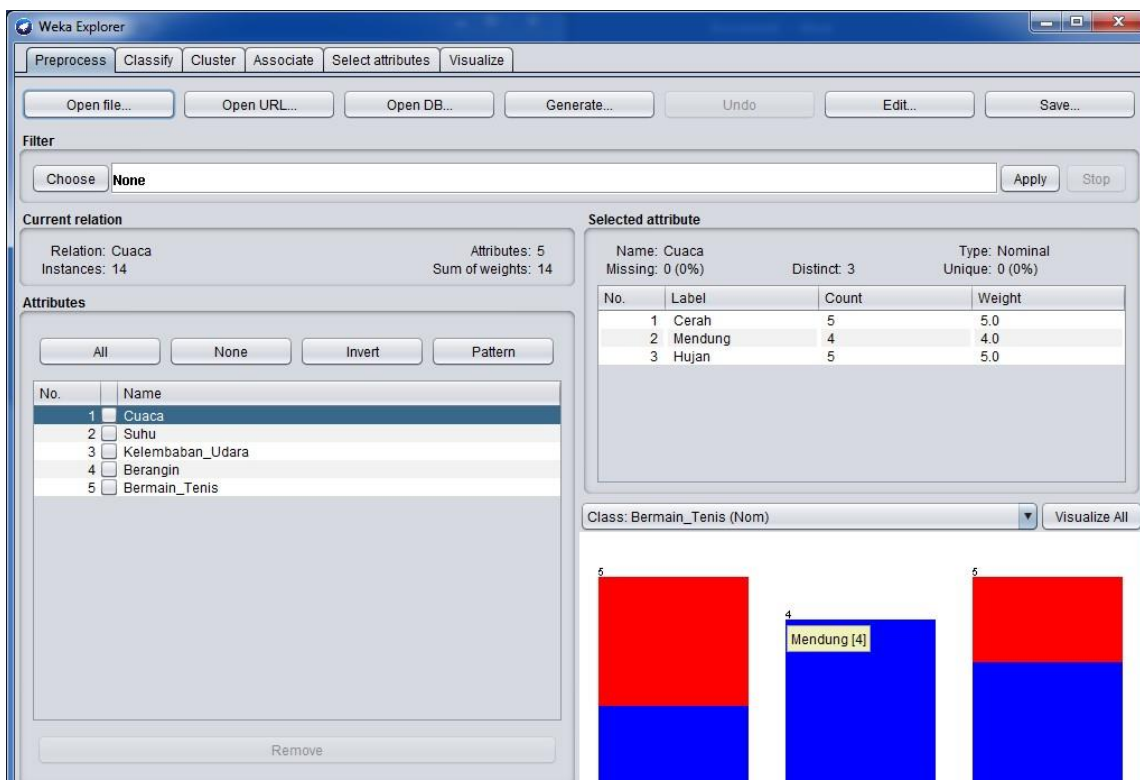
2. Membuat File CuacaTesting.arff



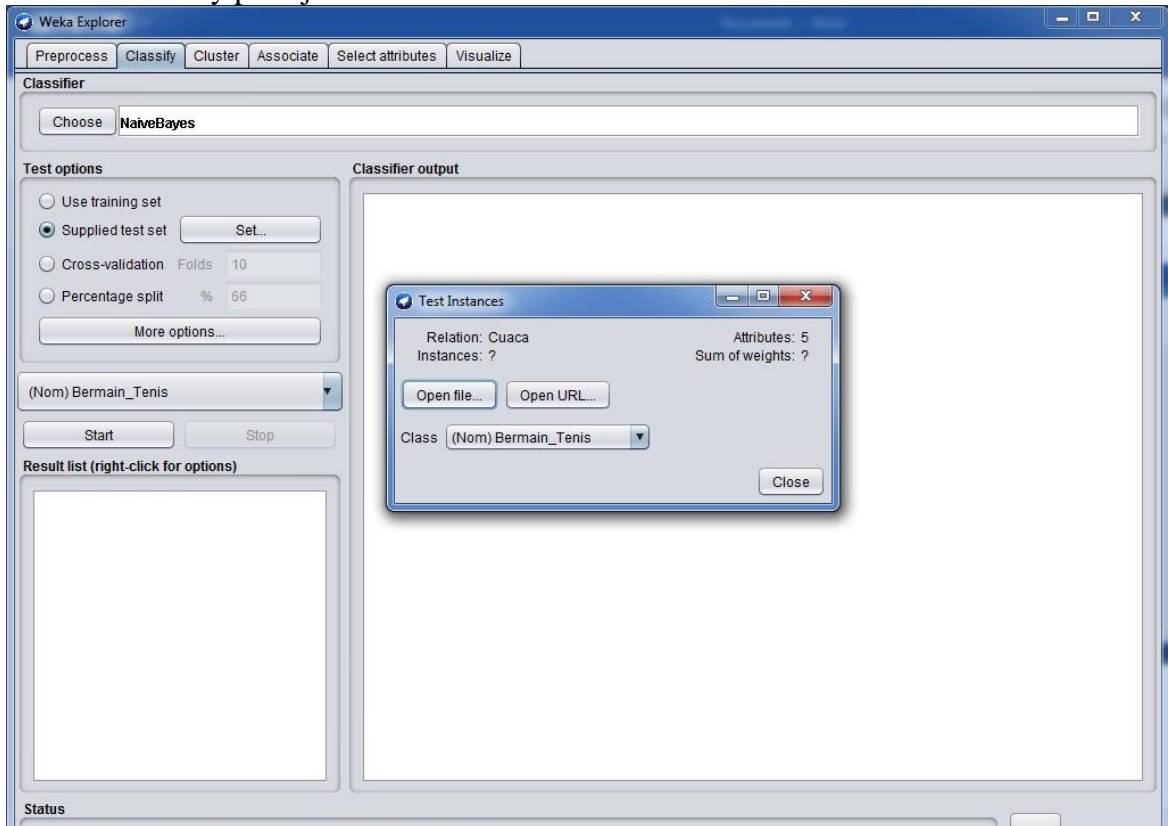
The screenshot shows the Visual Studio Code interface with the file `CuacaTesting.arff` open. The file content is as follows:

```
1 @relation Cuaca
2
3 @attribute Cuaca {Cerah, Mendung, Hujan}
4 @attribute Suhu real
5 @attribute Kelembaban_Udara real
6 @attribute Berangin {YA, TIDAK}
7 @attribute Bermain_Tenis {YA, TIDAK}
8
9 @data
10 Cerah, 75, 65, TIDAK, ?
11 Cerah, 80, 68, YA, ?
12 Cerah, 83, 87, YA, ?
13 Mendung, 70, 96, TIDAK, ?
14 Mendung, 68, 81, TIDAK, ?
15 Hujan, 65, 75, YA, ?
16 Hujan, 64, 85, YA, ?
17
```

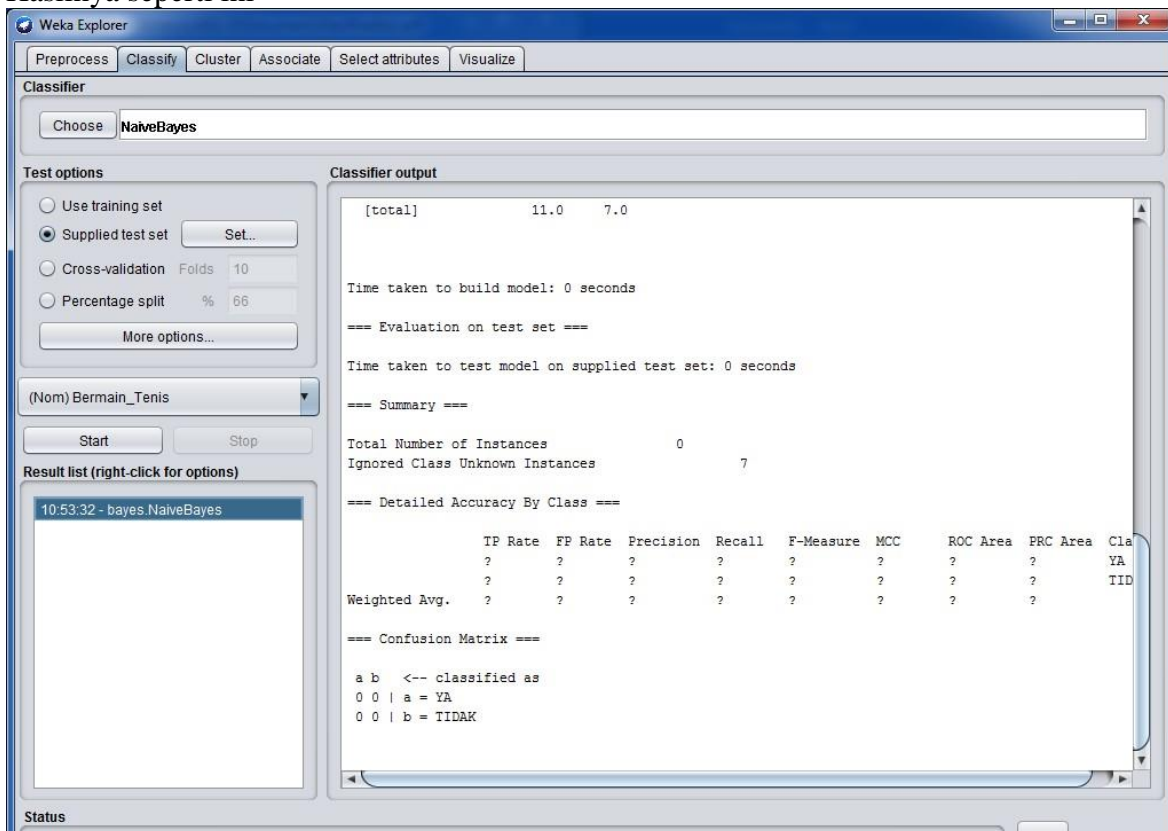
3. Membuka file cuaca.arff dengan aplikasi weka



4. Pilih tab Classify pada jendela weka



5. Hasilnya seperti ini



6. Hasil prediksi

ARFF-Viewer - C:\Users\LABSI-20\Documents\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	

7. Kolom predicted Bermain_Tenis

ARFF-Viewer - C:\Users\LABSI-16\Downloads\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	Mendung	70.0	96.0	TIDAK	0.628523	YA	
5	Mendung	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	

Weka GUI Chooser

Program Visualization Tools Help

WEKA
The University of Waikato

Waikato Environment for Knowledge Analysis
Version 3.7.9
(c) 1995 - 2013
The University of Waikato
Hamilton, New Zealand

Applications

Explorer

Experimenter

KnowledgeFlow

Simple CLI

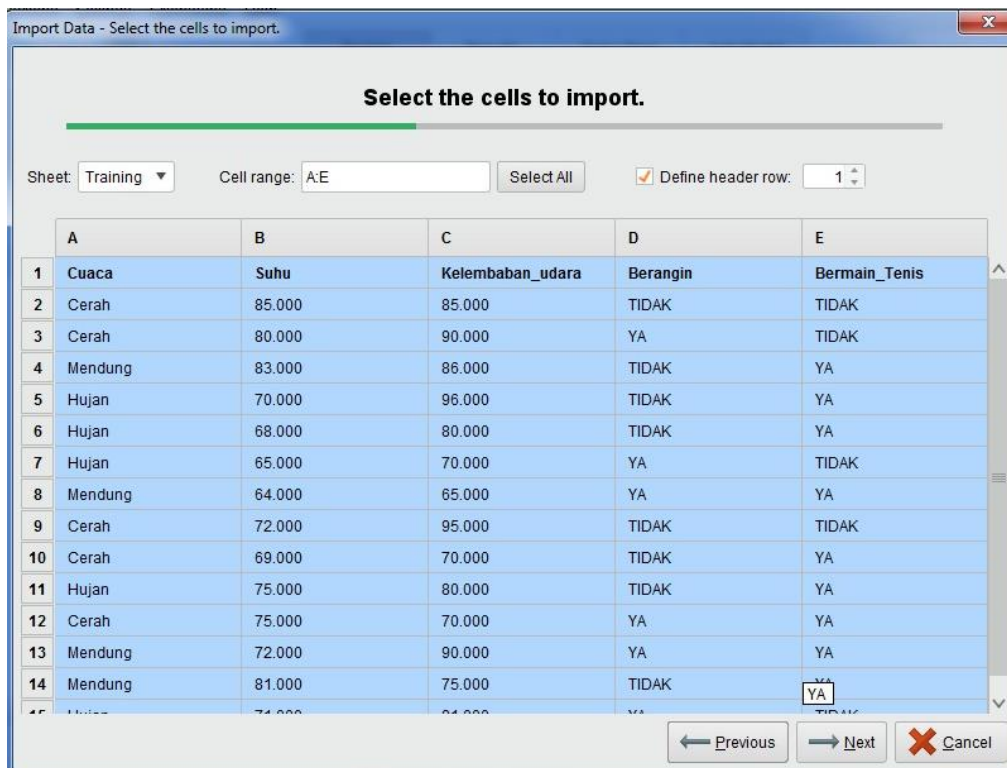
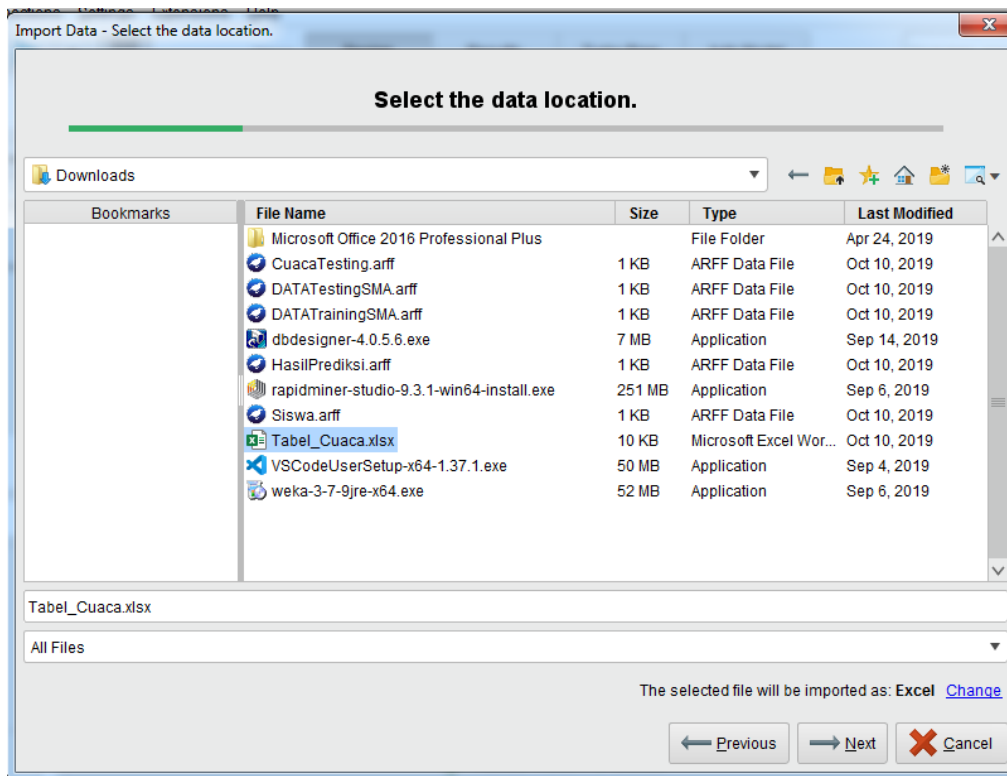
8. File Tabel_cuaca.xls

[illegible]

9. Tabel testing

[illegible]

10. Data Training



Import Data - Format your columns.

Format your columns.

☐ Replace errors with missing values ⓘ

	Cuaca <i>polynomial</i>	Suhu <i>integer</i>	Kelembaban_u... <i>integer</i>	Berangin <i>polynomial</i>	Bermain_Tenis <i>polynomial</i>
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

no problems.

Previous Next Cancel

<new process> - RapidMiner Studio Trial 9.3.001 @ LABSI-20-PC

File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Find data, operators, etc. All Studio

Result History ExampleSet (/Local Repository/DataCuaca_Training)

Open in Turbo Prep Auto Model

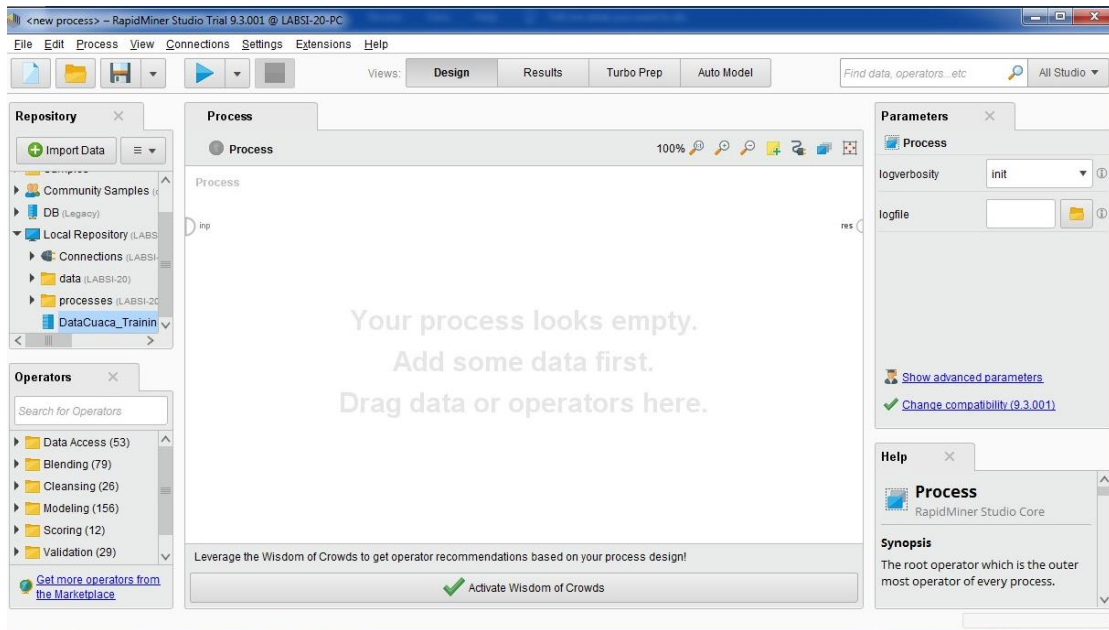
Filter (14 / 14 examples): all

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

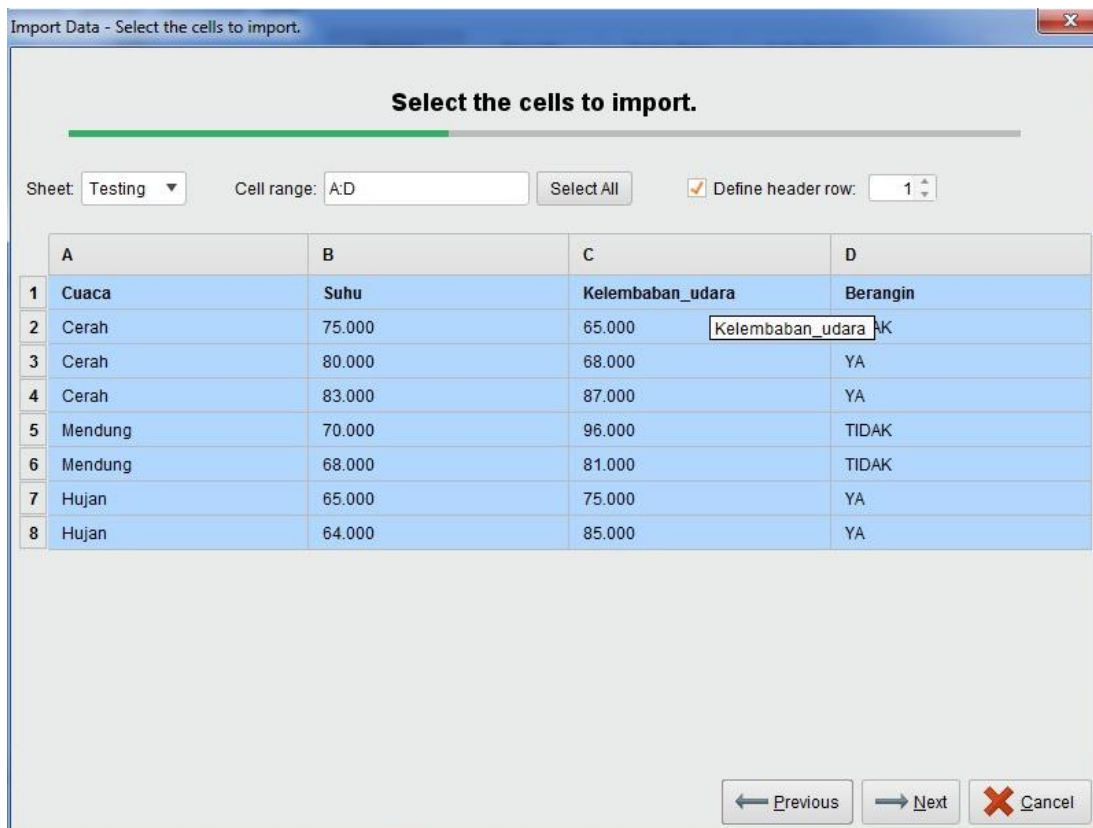
ExampleSet (14 examples, 1 special attribute, 4 regular attributes)

Repository

- Import Data
- Training Resources (connected)
- Samples
- Community Samples (connected)
- DB (Legacy)
- Local Repository (LABSI-20)
 - Connections (LABSI-20)
 - data (LABSI-20)
 - processes (LABSI-20)
 - DataCuaca_Training (LABSI-20 - v)



11. Data Testing



Import Data - Format your columns.

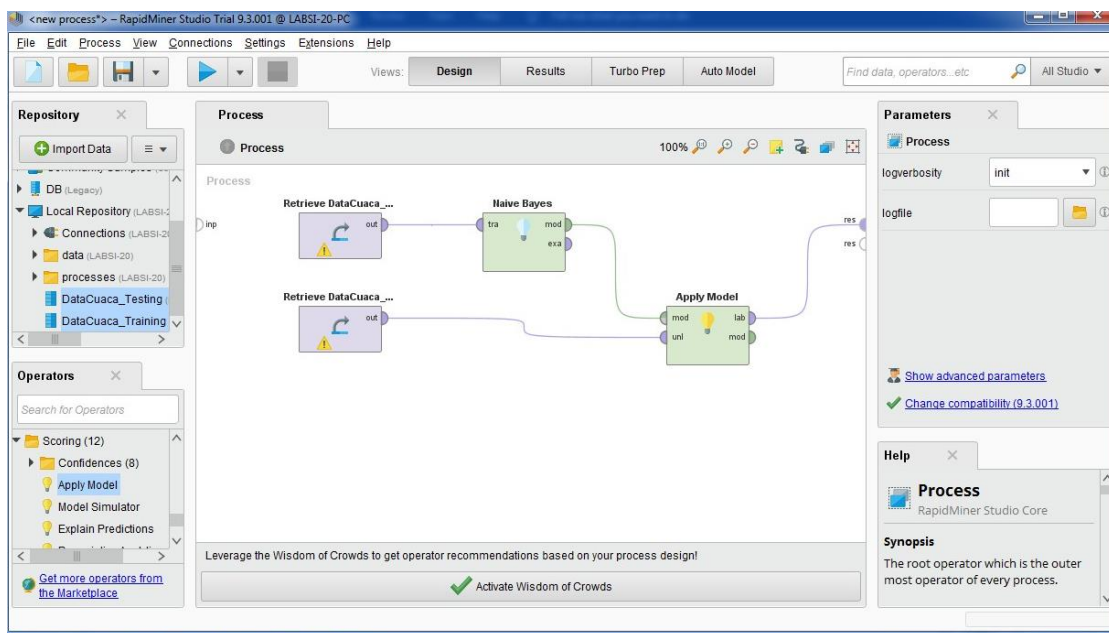
Format your columns.

☐ Replace errors with missing values ⓘ

	Cuaca <i>polynomial</i>	Suhu <i>integer</i>	Kelembaban_udara <i>integer</i>	Berangin <i>polynomial</i>
1	Cerah	75	65	TIDAK
2	Cerah	80	68	YA
3	Cerah	83	87	YA
4	Mendung	70	96	TIDAK
5	Mendung	68	81	TIDAK
6	Hujan	65	75	YA
7	Hujan	64	85	YA

no problems.

Previous Next Cancel



<new process> - RapidMiner Studio Trial 9.3.001 @ LABSI-20-PC

File Edit Process View Connections Settings Extensions Help

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

Result History ExampleSet (/Local Repository/DataCuaca_Training) ExampleSet (/Local Repository/DataCuaca_Testing)

Open in Turbo Prep Auto Model Filter (7 / 7 examples): all

Row No.	prediction(B...	confidence(...	confidence(...	Cuaca	Suhu	Kelembaban...	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	85	YA

ExampleSet (7 examples, 3 special attributes, 4 regular attributes)

Repository

- Import Data
- Training Resources (connected)
- Samples
- Community Samples (connected)
- DB (Legacy)
- Local Repository (LABSI-20)
 - Connections (LABSI-20)
 - data (LABSI-20)
 - processes (LABSI-20)
 - DataCuaca_Testing (LABSI-20 - v1, 10/10/19 11:08)
 - DataCuaca_Training (LABSI-20 - v1, 10/10/19 11:08)

<new process> - RapidMiner Studio Trial 9.3.001 @ LABSI-20-PC

File Edit Process View Connections Settings Extensions Help

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

Result History ExampleSet (/Local Repository/DataCuaca_Testing) ExampleSet (/Local Repository/DataCuaca_Training)

Name Type Missing Statistics Filter (7 / 7 attributes): Search for Attributes

Name	Type	Missing	Statistics	Filter (7 / 7 attributes):
prediction(Bermain_Tenis)	Binominal	0	Least TIDAK (2) Most YA (5)	Values YA (5)
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	Polynomial	0	Least Mendung (2) Most Cerah (3)	Values Cerah (3)
Suhu	Integer	0	Min 64 Max 83	Average 72.143
Kelembaban_udara	Integer	0	Min 65 Max 96	Average 79.571
Berangin	Polynomial	0	Least TIDAK (3) Most YA (4)	Values YA (4)

Showing attributes 1 - 7 Examples: 7 Special Attributes: 3 Regular Attributes: 4

Repository

- Import Data
- Training Resources (connected)
- Samples
- Community Samples (connected)
- DB (Legacy)
- Local Repository (LABSI-20)
 - Connections (LABSI-20)
 - data (LABSI-20)
 - processes (LABSI-20)
 - DataCuaca_Testing (LABSI-20 - v1, 10/10/19 11:08)
 - DataCuaca_Training (LABSI-20 - v1, 10/10/19 11:08)

