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NIM : L200170063

KELAS : C

MODUL : 8

1.

```
C: > Users > Person > Documents > modul 8 > CuacaTesting.arff
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
```

ARFF-Viewer - C:\Users\Person\Documents\modul 8\HasilPrediksi.arff

File Edit View

HasilPrediksi.arff

Relation: Cuaca\_predicted

| No. | 1: Cuaca<br>Nominal | 2: Suhu<br>Numeric | 3: Kelembaban_Udara<br>Numeric | 4: Berangin<br>Nominal | 5: prediction margin<br>Numeric | 6: predicted Bermain_Tenis<br>Nominal | 7: <b>Bermain_Tenis</b><br>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                                 |                                    |

2.

Sheet 1 dan 2

| E16 |         |      |                  |          |               |   |
|-----|---------|------|------------------|----------|---------------|---|
|     | A       | B    | C                | D        | E             | F |
| 1   | Cuaca   | Suhu | Kelembaban_udara | Berangin | Bermain_Tenis |   |
| 2   | Cerah   | 85   | 85               | TIDAK    | TIDAK         |   |
| 3   | Cerah   | 80   | 90               | YA       | TIDAK         |   |
| 4   | Mendung | 83   | 86               | TIDAK    | YA            |   |
| 5   | Hujan   | 70   | 96               | TIDAK    | YA            |   |
| 6   | Hujan   | 68   | 80               | TIDAK    | YA            |   |
| 7   | Hujan   | 65   | 70               | YA       | TIDAK         |   |
| 8   | Mendung | 64   | 65               | YA       | YA            |   |
| 9   | Cerah   | 72   | 95               | TIDAK    | TIDAK         |   |
| 10  | Cerah   | 69   | 70               | TIDAK    | YA            |   |
| 11  | Hujan   | 75   | 80               | TIDAK    | YA            |   |
| 12  | Cerah   | 75   | 70               | YA       | YA            |   |
| 13  | Mendung | 72   | 90               | YA       | YA            |   |
| 14  | Mendung | 81   | 75               | TIDAK    | YA            |   |
| 15  | Hujan   | 71   | 91               | YA       | TIDAK         |   |
| 16  |         |      |                  |          |               |   |
| 17  |         |      |                  |          |               |   |
| 18  |         |      |                  |          |               |   |

|    | A       | B    | C                | D        | E             | F |
|----|---------|------|------------------|----------|---------------|---|
| 1  | Cuaca   | Suhu | Kelembaban_udara | Berangin | Bermain_Tenis |   |
| 2  | Cerah   | 85   | 85               | TIDAK    | TIDAK         |   |
| 3  | Cerah   | 80   | 90               | YA       | TIDAK         |   |
| 4  | Mendung | 83   | 86               | TIDAK    | YA            |   |
| 5  | Hujan   | 70   | 96               | TIDAK    | YA            |   |
| 6  | Hujan   | 68   | 80               | TIDAK    | YA            |   |
| 7  | Hujan   | 65   | 70               | YA       | TIDAK         |   |
| 8  | Mendung | 64   | 65               | YA       | YA            |   |
| 9  | Cerah   | 72   | 95               | TIDAK    | TIDAK         |   |
| 10 | Cerah   | 69   | 70               | TIDAK    | YA            |   |
| 11 | Hujan   | 75   | 80               | TIDAK    | YA            |   |
| 12 | Cerah   | 75   | 70               | YA       | YA            |   |
| 13 | Mendung | 72   | 90               | YA       | YA            |   |
| 14 | Mendung | 81   | 75               | TIDAK    | YA            |   |
| 15 | Hujan   | 71   | 91               | YA       | TIDAK         |   |
| 16 |         |      |                  |          |               |   |
| 17 |         |      |                  |          |               |   |
| 18 |         |      |                  |          |               |   |

Hasil rapid

<new process> – RapidMiner Studio Trial 9.3.001 @ DESKTOP-7UM84PR

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Design Results Turbo Prep All Studio

Result History ExampleSet (//Local Repository/DataCuaca\_Training)

Open in Turbo Prep Auto Model Filter (14 / 14 examples): all

| Row No. | Cuaca   | Suhu | Kelembaban... | Berangin | Bermain_ |
|---------|---------|------|---------------|----------|----------|
| 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       |

ExampleSet (14 examples, 0 special attributes, 5 regular attributes)

Repository

- Import Data
- Training Resources (conn)
- Samples
- Community Samples (con)
- DB (Legacy)
- Local Repository (Person)
  - Connections (Person)
  - data (Person)
  - processes (Person)
  - DataCuaca\_Training (t

<new process> - RapidMiner Studio Trial 9.3.001 @ DESKTOP-7UM84PR

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Design Results Turbo Prep

ExampleSet (//Local Repository/DataCuaca\_Training)

Result History ExampleSet (//Local Repository/DataCuaca\_Testing)

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

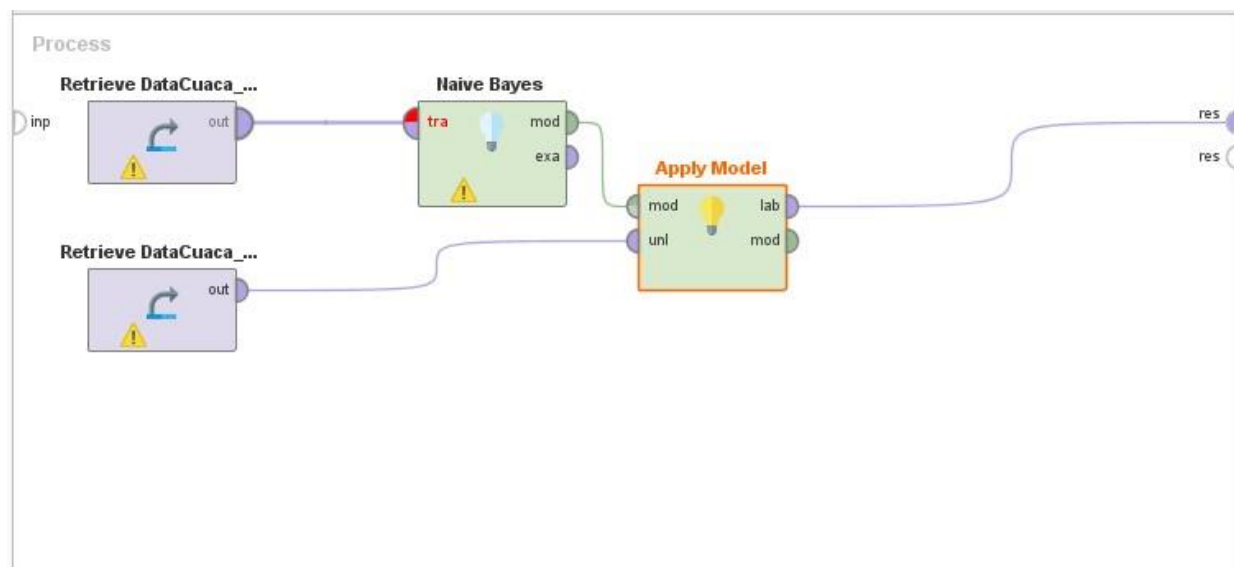
| Row No. | Cuaca   | Suhu | Kelembaban... | Berangin |
|---------|---------|------|---------------|----------|
| 1       | Cerah   | 75   | 65            | TIDAK    |
| 2       | Cerah   | 80   | 68            | YA       |
| 3       | Cerah   | 83   | 87            | YA       |
| 4       | Mendung | 70   | 96            | TIDAK    |
| 5       | Mendung | 68   | 81            | TIDAK    |
| 6       | Hujan   | 65   | 75            | YA       |
| 7       | Hujan   | 64   | 85            | YA       |

ExampleSet (7 examples, 0 special attributes, 4 regular attributes)

Repository

- Import Data
- Training Resources (conn)
- Samples
- Community Samples (con)
- DB (Legacy)
- Local Repository (Person)
  - Connections (Person)
  - data (Person)
  - processes (Person)
    - DataCuaca\_Testing (P)
    - DataCuaca\_Training (P)

## Design



ExampleSet (/Local Repository/DataCuaca\_Testing) ExampleSet (/Local Repository/DataCuaca\_Training)

Result History ExampleSet (Apply Model)

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

| Row No. | prediction(B... | confidence(... | confidence(... | Cuaca   | Suhu | Kelembaban... | Berangin |
|---------|-----------------|----------------|----------------|---------|------|---------------|----------|
| 1       | Ya              | 0.213          | 0.787          | Cerah   | 75   | 65            | Tidak    |
| 2       | Ya              | 0.401          | 0.599          | Cerah   | 80   | 68            | Ya       |
| 3       | Tidak           | 0.801          | 0.199          | Cerah   | 83   | 87            | Ya       |
| 4       | Ya              | 0.027          | 0.973          | Mendung | 70   | 96            | Tidak    |
| 5       | Ya              | 0.011          | 0.989          | Mendung | 68   | 81            | Tidak    |
| 6       | Ya              | 0.285          | 0.715          | Hujan   | 65   | 75            | Ya       |
| 7       | Ya              | 0.470          | 0.530          | 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-07)
  - Connections (LABSI-07)
  - data (LABSI-07)
  - processes (LABSI-07)
  - DataCuaca\_Testing (LABSI-07 - v1, 101)
  - DataCuaca\_Training (LABSI-07 - v1, 101)

ExampleSet (/Local Repository/DataCuaca\_Testing) ExampleSet (/Local Repository/DataCuaca\_Training)

Result History ExampleSet (Apply Model)

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 (1) Most Ya (6) Values Ya (6), Tidak (1)                    |                           |
| confidence(Tidak)         | Real       | 0       | Min 0.011 Max 0.801 Average 0.315                                       |                           |
| confidence(Ya)            | Real       | 0       | Min 0.199 Max 0.989 Average 0.685                                       |                           |
| Cuaca                     | Polynomial | 0       | Least Mendung (2) Most Cerah (3) Values Cerah (3), Hujan (2), Tidak (2) |                           |
| 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), Tidak (3)                    |                           |

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

Repository

- Import Data
- Training Resources (connected)
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- Community Samples (connected)
- DB (Legacy)
- Local Repository (LABSI-07)
  - Connections (LABSI-07)
  - data (LABSI-07)
  - processes (LABSI-07)
  - DataCuaca\_Testing (LABSI-07 - v1, 101)
  - DataCuaca\_Training (LABSI-07 - v1, 101)