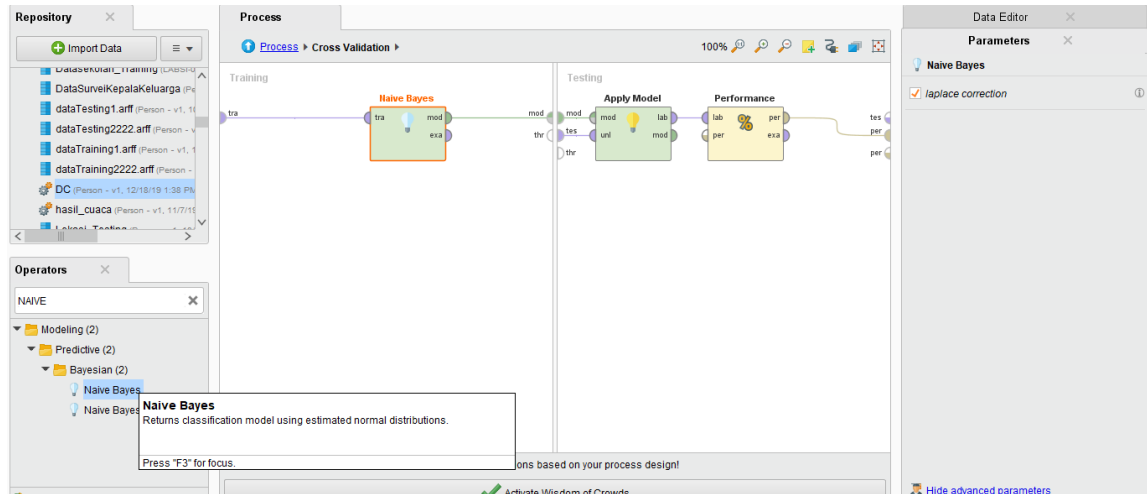


Muhibah Fata Tika
L200170156
Quiz Praktikum Dwdm

1. Naïve Bayes

- Design



Hasil Naïve Bayes : (65%)

The screenshot shows the 'PerformanceVector (Performance)' window in Orange3. It displays the overall accuracy and a confusion matrix. The overall accuracy is 65.00% with a standard deviation of 14.32% (micro average: 65.00%). The confusion matrix is as follows:

	true YA	true TIDAK	class precision
pred. YA	41	25	62.12%
pred. TIDAK	10	24	70.59%
class recall	80.39%	48.98%	

A tooltip for 'Naive Bayes' is also visible at the bottom: 'Returns classification model using estimated normal distributions.'

2. Decision Tree

- Deisgn

Format your columns.

Date format MMM d, yyyy h:mm:ss a z

☐ Replace errors with missing values ⓘ

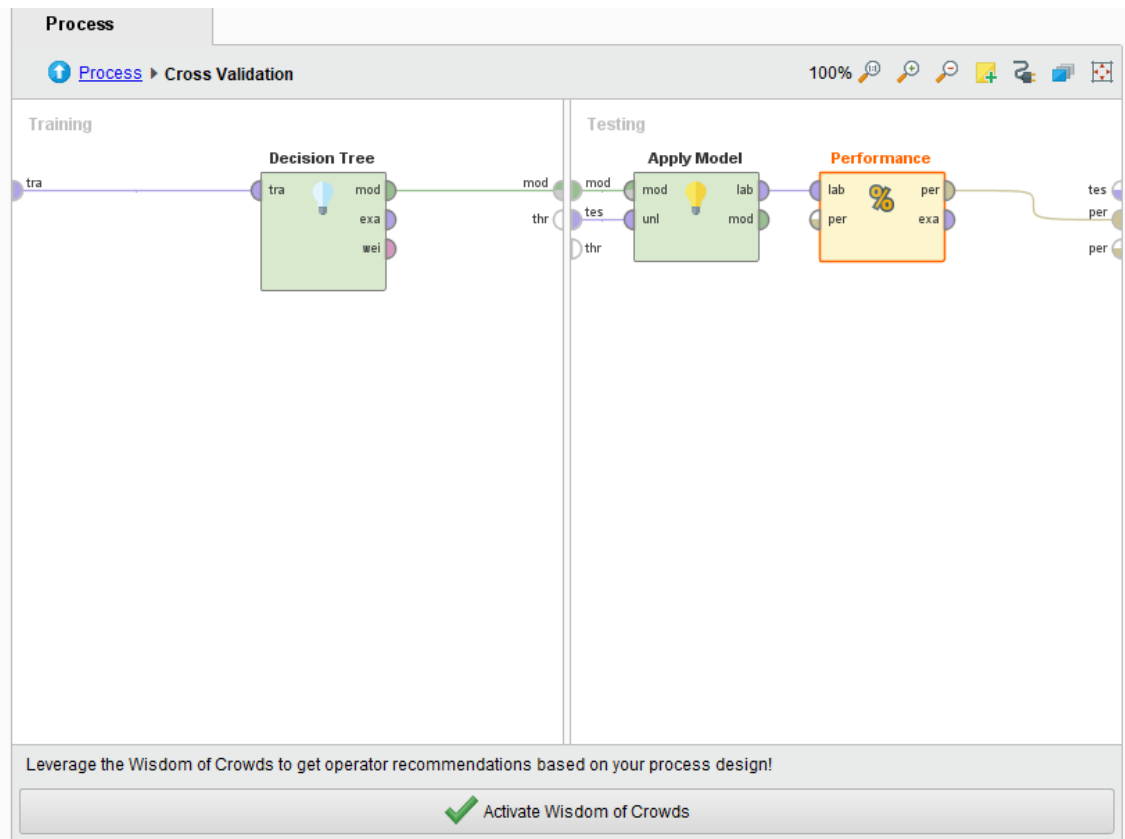
	Jarak_Dari... <i>polynomial</i>	Akses_Jalan <i>polynomial</i>	Luas_Tana... <i>polynomial</i>	Harga_Tan... <i>polynomial</i>	PBB(juta) <i>polynomial</i>	Keputusan... <i>binomial label</i>
1	sedang	mudah	kecil	sedang	kecil	YA
2	jauh	sulit	luas	sedang	kecil	YA
3	dekat	mudah	kecil	sedang	sedang	TIDAK
4	jauh	sulit	luas	mahal	sedang	TIDAK
5	dekat	mudah	kecil	sedang	kecil	YA
6	jauh	sulit	luas	murah	besar	YA
7	dekat	mudah	kecil	murah	sedang	TIDAK
8	dekat	mudah	kecil	murah	sedang	YA
9	jauh	sulit	luas	murah	sedang	TIDAK
10	dekat	mudah	sedang	sedang	sedang	YA
11	jauh	sulit	luas	murah	besar	YA
12	dekat	mudah	kecil	murah	besar	YA

✓ no problems.

← Previous

→ Next

✗ Cancel



Hasil Akurasi : (64%)

Result History

PerformanceVector (Performance) Tree (Decision Tree) ExampleSet (/Local Repository/quizku_training)

Table View Plot View

accuracy: 64.00% +/- 13.56% (micro average: 64.00%)

	true YA	true TIDAK	class precision
pred. YA	40	25	61.54%
pred. TIDAK	11	24	68.57%
class recall	78.43%	48.98%	

Criterion accuracy

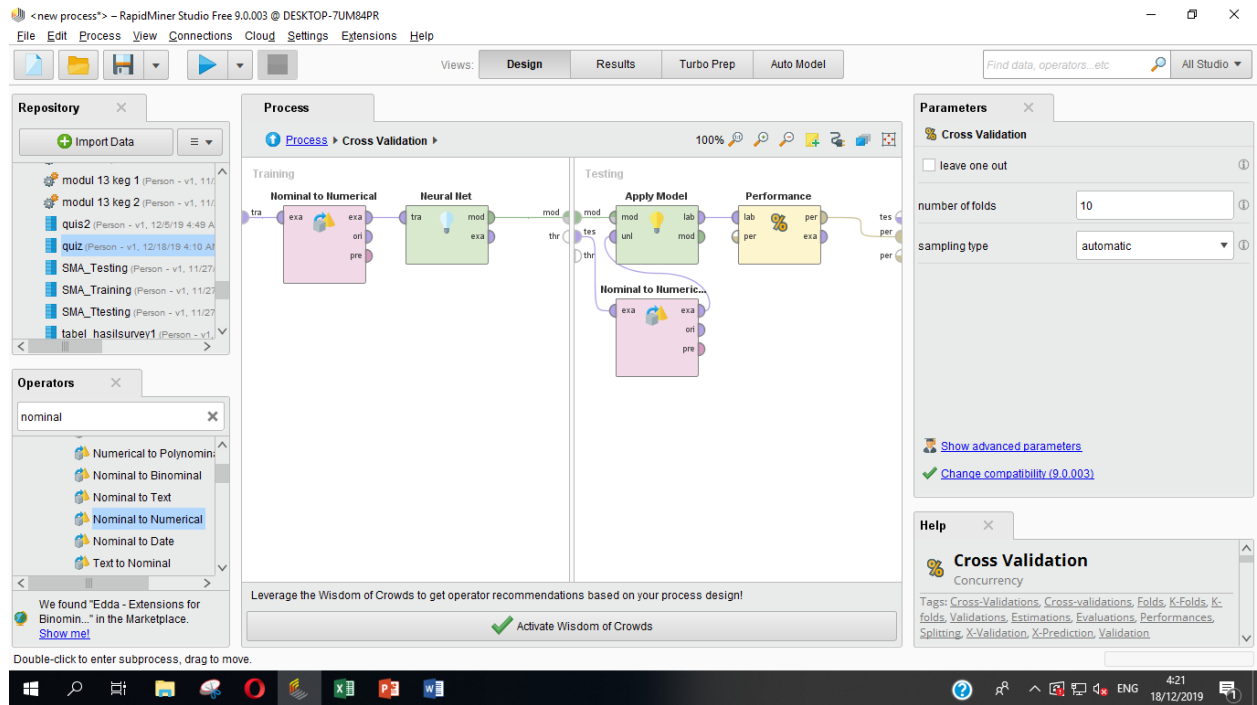
Performance

Description

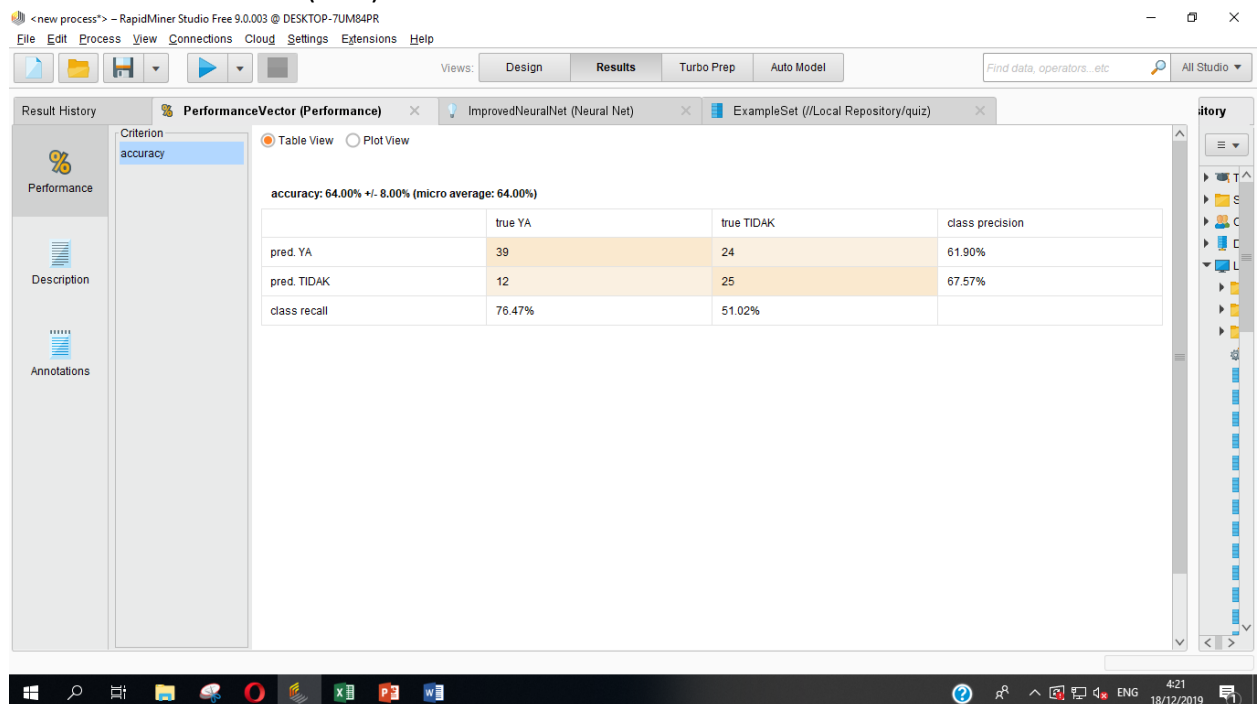
Annotations

3. Neural Networks

- Design



- Hasil Neural Networks (64%)

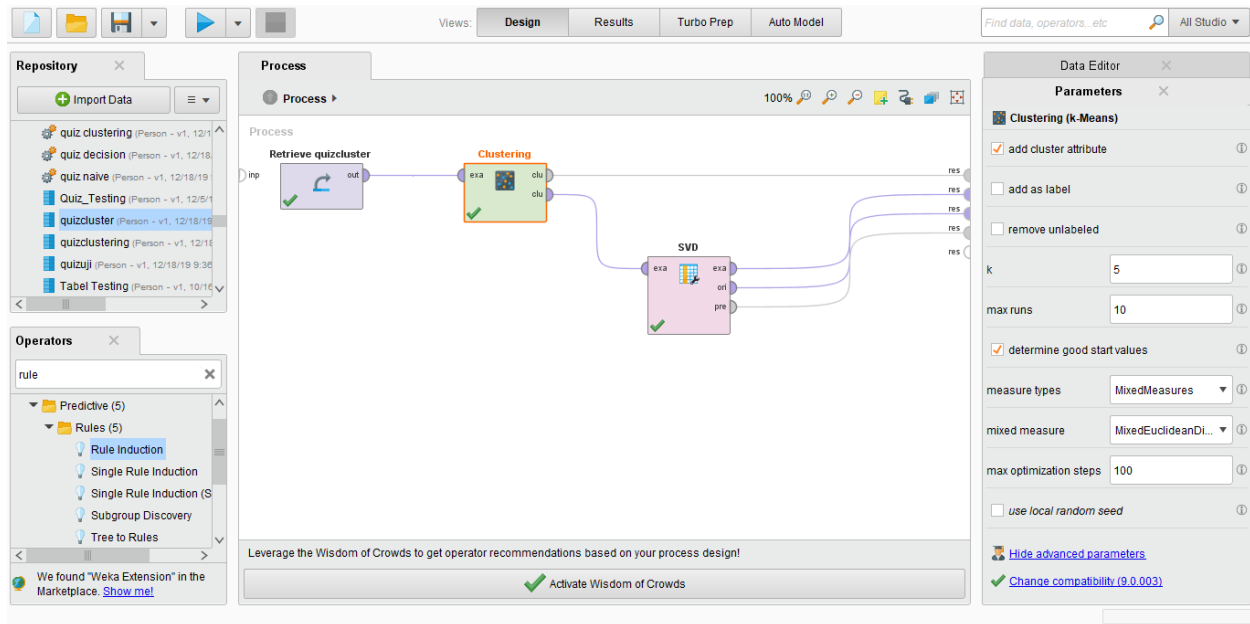


Kesimpulan :

Tingkat akurasi paling tinggi yaitu 65% dengan Naïve bayes

2. Clustering K-Means

- Design



- Hasil K-Means dengan k = 5

The screenshot shows the Orange3 software interface in the Results view. The SVD (SVD) operator is selected, and the Results view displays a table of singular values and proportions.

Component	Singular Value	Proportion of Singular Values	Cumulative Singular Values	Cumulative Proportion of Singular ...
SVD 1	22556872.569	1.000	22556872.569	1.000
SVD 2	279.604	0.000	22557152.173	1.000
SVD 3	46.439	0.000	22557198.612	1.000
SVD 4	5.202	0.000	22557203.814	1.000
SVD 5	2.212	0.000	22557206.026	1.000
SVD 6	0.954	0.000	22557206.979	1.000

Views: DesignResultsTurbo PrepAuto Model

Find data, operators...etc

All Studio

ExampleSet (/Local Repository/quizuji)ExampleSet (/Local Repository/DataQuizTanah)

Cluster Model (Clustering)ExampleSet (/Local Repository/quizcluster)ExampleSet (/Local Repository/quizclustering)

Result HistorySVD (SVD)ExampleSet (Clustering)ExampleSet (SVD)

Data

Statistics

Charts

Advanced Charts

Annotations

ExampleSet (30 examples, 3 special attributes, 6 regular attributes)

Filter (30 / 30 examples): all

Row No.	id	Nama	cluster ↑	No	Pendapatan ...	Jumlah Tan...	Pekerjaan O...	IPK	Nilai Wawan...
1	1	Rino	cluster_0	1	5000000	2	2	3.160	65
5	5	Romi	cluster_0	5	4500000	3	2	3.450	70
9	9	Andre	cluster_0	9	5000000	2	2	3.400	72
16	16	Sifa	cluster_0	16	5000000	2	2	3.350	62
24	24	Nuca	cluster_0	24	4000000	3	2	3.460	68
29	29	Dika	cluster_0	29	5000000	3	2	3.400	72
6	6	Ririn	cluster_1	6	1500000	4	1	3.850	88
7	7	Rahma	cluster_1	7	2000000	3	2	3.700	84
11	11	Ayuk	cluster_1	11	1000000	3	1	3.800	86
12	12	Wanti	cluster_1	12	1500000	4	2	3.600	83
14	14	Farah	cluster_1	14	1000000	3	1	3.900	86
15	15	Maryana	cluster_1	15	750000	4	1	3.750	90
18	18	Ulfa	cluster_1	18	2000000	3	1	3.720	86
20	20	Awan	cluster_1	20	1000000	2	1	3.740	85
21	21	Rafi	cluster_1	21	500000	3	1	3.730	84

Views: DesignResultsTurbo PrepAuto Model

Find data, operators...etc

All Studio

ExampleSet (/Local Repository/quizuji)ExampleSet (/Local Repository/DataQuizTanah)

Cluster Model (Clustering)ExampleSet (/Local Repository/quizcluster)ExampleSet (/Local Repository/quizclustering)

Result HistorySVD (SVD)ExampleSet (Clustering)ExampleSet (SVD)

Data

Statistics

Charts

Advanced Charts

Annotations

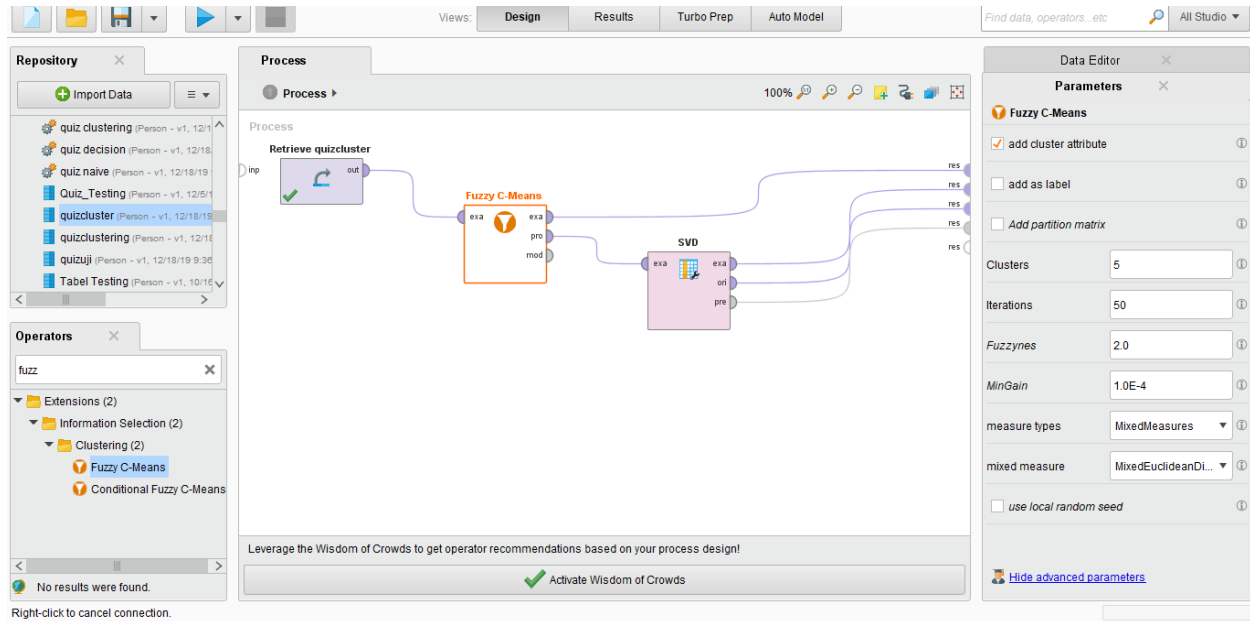
ExampleSet (30 examples, 3 special attributes, 6 regular attributes)

Filter (30 / 30 examples): all

Row No.	id	Nama	cluster ↑	No	Pendapatan ...	Jumlah Tan...	Pekerjaan O...	IPK	Nilai Wawan...
22	22	Edgar	cluster_1	22	1500000	2	1	3.860	90
27	27	Ghina	cluster_1	27	2000000	3	2	3.350	87
28	28	Affan	cluster_1	28	1000000	2	1	3.640	78
25	25	Tere	cluster_2	25	10000000	2	2	3.250	70
2	2	Abdul	cluster_3	2	3500000	2	2	3.350	75
3	3	Viant	cluster_3	3	3000000	4	2	3.650	85
8	8	Oikta	cluster_3	8	3000000	5	1	3.500	78
10	10	Niko	cluster_3	10	3000000	2	2	3.450	74
17	17	Wulan	cluster_3	17	2500000	3	2	3.680	79
19	19	Syahdan	cluster_3	19	3000000	2	2	3.580	73
23	23	Ira	cluster_3	23	3000000	6	2	3.650	75
30	30	Aya	cluster_3	30	3000000	2	2	3.630	77
4	4	Aan	cluster_4	4	7500000	1	2	3	60
13	13	Mey	cluster_4	13	8000000	2	2	3.300	68
26	26	Ehsan	cluster_4	26	7500000	3	2	3.150	67

Fuzzy C-Means

- Design



- Hasil Fuzzy C-Means dengan Clusters = 5 (cluster 0 s/d cluster 4)

The screenshot displays the Orange3 software interface in the 'Results' view. The 'Result History' panel shows a list of operators, including 'SVD (SVD)' and 'ExampleSet (Fuzzy C-Means)'. The 'ExampleSet (Fuzzy C-Means)' operator is selected, and its results are displayed in a table. The table has 8 columns: 'Row No.', 'cluster', 'No', 'Pendapatan ...', 'Jumlah Tan...', 'Pekerjaan O...', 'IPK', and 'Nilai Wawan...'. The table contains 5 rows of data, corresponding to clusters 0 through 4.

Row No.	cluster	No	Pendapatan ...	Jumlah Tan...	Pekerjaan O...	IPK	Nilai Wawan...
1	cluster_0	15.582	3852579.865	2.680	1.993	3.427	70.731
2	cluster_1	13.054	4969751.957	2.312	2.000	3.338	67.962
3	cluster_2	16.699	1141225.742	2.970	1.140	3.752	85.465
4	cluster_3	16.062	8077893.882	2.000	2.000	3.175	66.009
5	cluster_4	15.690	2875576.523	3.397	1.838	3.587	77.868

