

Nama : Fiko Mulad Cakra Bagaskara  
Nim : L200170164

<new process\*> - RapidMiner Studio Free 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

ExampleSet (SVD) ExampleSet (//Local Repository/Data\_NilaiUjian)

Result History SVD (SVD) ExampleSet (Clustering)

Eigenvalues  
Svd vectors  
Cumulative Variance  
Annotations

Component	Singular Value	Proportion of Singular Valu...	Cumulative Singular Values	Cumulative Proportion of S...
SVD 1	34.340	0.898	34.340	0.898
SVD 2	3.906	0.102	38.246	1.000

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)
  - Data\_NilaiUjian (LABSI-20 - v1, 11/6/19 12:51 PM)

1:18 PM 11/6/2019

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Result History SVD (SVD) ExampleSet (Clustering)

Eigenvalues  
Svd vectors  
Cumulative Variance  
Annotations

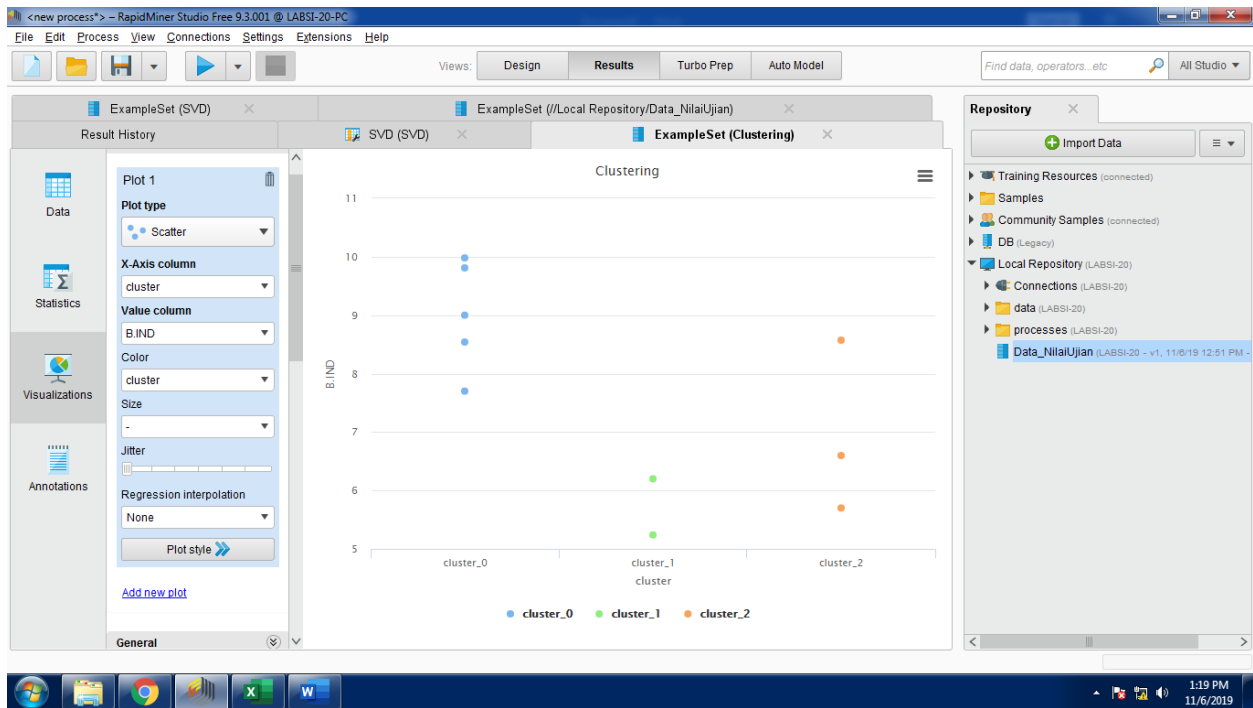
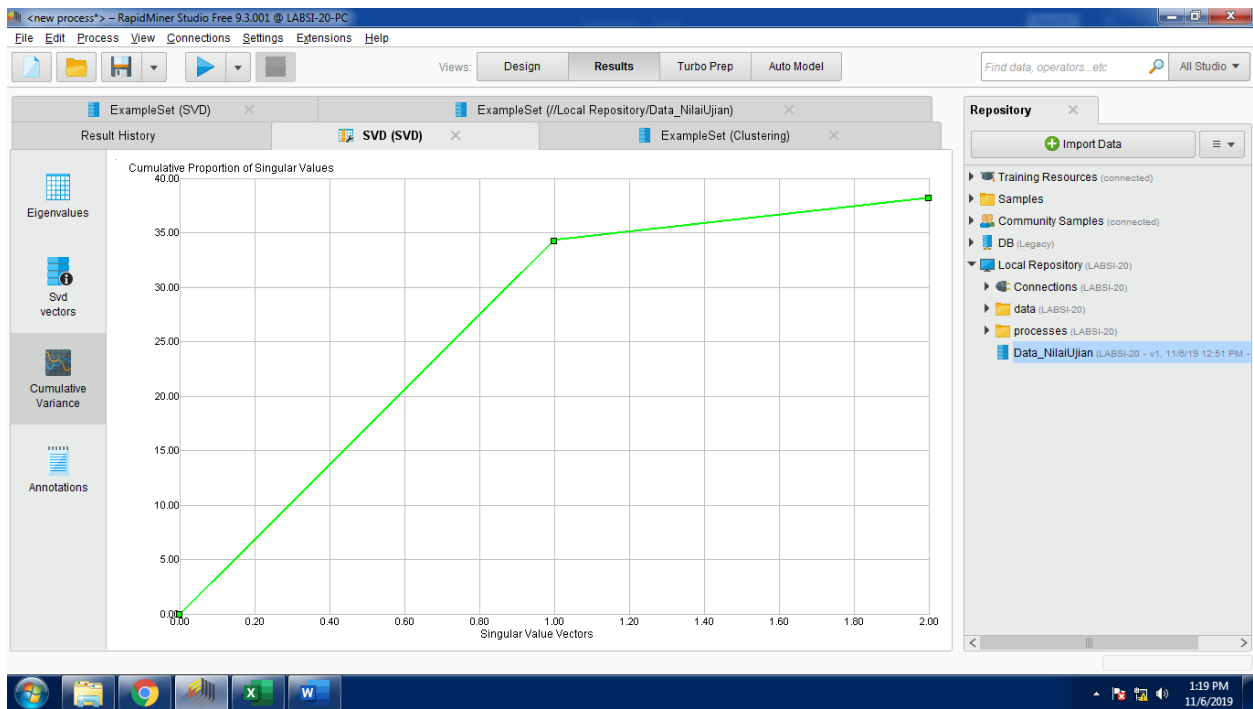
Attribute	SVD Vector 1
B.IND	0.723
B.ING	0.690

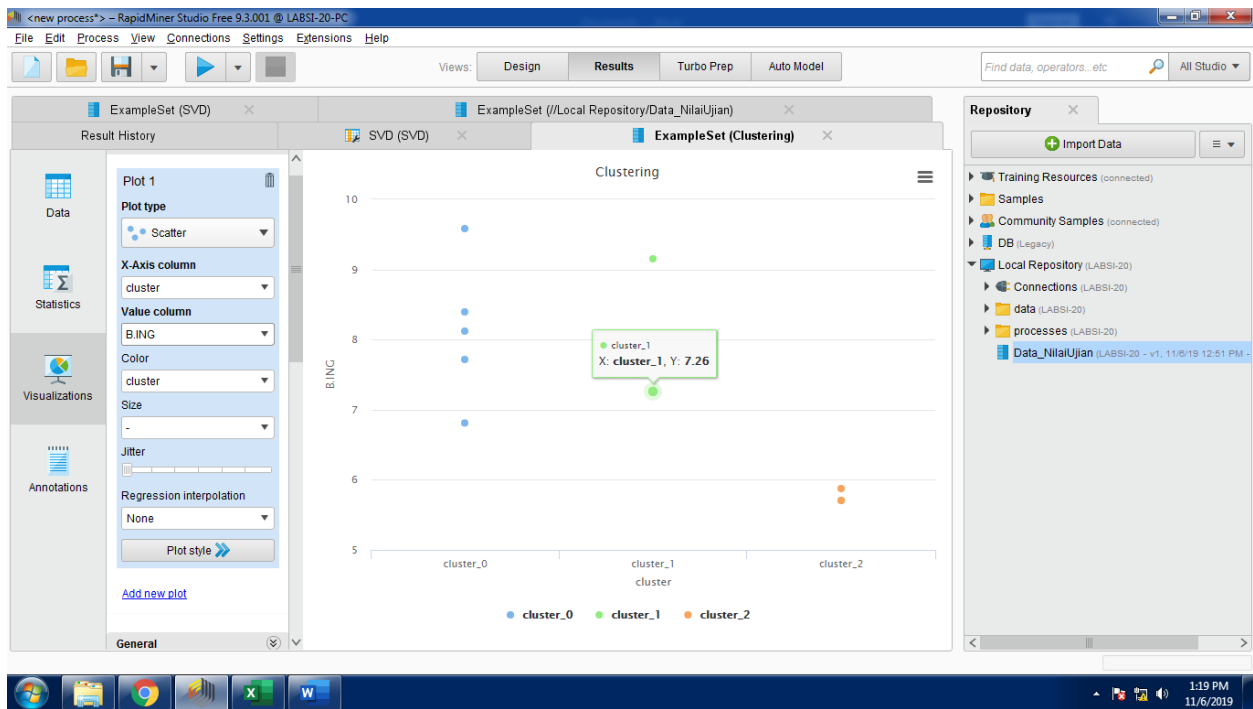
Repository

Import Data

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1:18 PM 11/6/2019





ExampleSet (SVD) | ExampleSet (//Local Repository/Data\_NilaiUjian) | ExampleSet (Clustering)

Views: Design Results Turbo Prep Auto Model

Find data, operators...etc | All Studio

Open in: Turbo Prep Auto Model

Filter (10 / 10 examples): all

Row No.	NAMA	cluster ↑	svd_1
1	JOKO	cluster_0	0.349
2	AGUS	cluster_0	0.347
7	EKO	cluster_0	0.317
9	WAWAN	cluster_0	0.353
10	MAHMUD	cluster_0	0.399
3	SUSI	cluster_1	0.315
4	DYAH	cluster_1	0.256
5	WATI	cluster_2	0.235
6	IKA	cluster_2	0.299
8	YANTO	cluster_2	0.254

ExampleSet (10 examples, 2 special attributes, 1 regular attribute)

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)

Data\_NilaiUjian (LABSI-20 - v1, 11/6/19 12:51 PM)

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File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Find data, operators...etc All Studio

Result History SVD (SVD) ExampleSet (Clustering) ExampleSet (SVD)

Cluster Model (Clustering) ExampleSet (/Local Repository/Data\_NilaiUjian)

### Cluster Model

Description

Cluster 0: 5 items  
Cluster 1: 2 items  
Cluster 2: 3 items  
Total number of items: 10

Folder View

Graph

Centroid Table

Plot

Repository

+ Import Data

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  - Connections (LABSI-20)
  - data (LABSI-20)
  - processes (LABSI-20)
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File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Find data, operators...etc All Studio

Result History SVD (SVD) ExampleSet (Clustering) ExampleSet (SVD)

Cluster Model (Clustering) ExampleSet (/Local Repository/Data\_NilaiUjian)

Zoom

Tree

☒ Node Labels

☒ Edge Labels

root set

0

1

2

0

Number of items: 5  
Ratio of total: 50.00%

JOKO  
AGUS  
EKO  
WAWAN  
MAHMUD

Repository

+ Import Data

- Training Resources (connected)
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1:21 PM 11/6/2019

# TUGAS 1

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File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Find data, operators...etc All Studio

ExampleSet (/Local Repository/Data\_NilaiUjianTugas) ExampleSet (/Local Repository/Data\_NilaiUjian)

ExampleSet (SVD) Cluster Model (Clustering)

Result History SVD (SVD) ExampleSet (Clustering)

Eigenvalues

Svd vectors

Cumulative Variance

Annotations

Component	Singular Value	Proportion of Singular Valu...	Cumulative Singular Values	Cumulative Proportion of S...
SVD 1	81.960	0.768	81.960	0.768
SVD 2	9.237	0.087	91.196	0.855
SVD 3	8.591	0.081	99.787	0.935
SVD 4	6.920	0.065	106.707	1.000

Repository

Import Data

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  - Connections (LABSI-20)
  - data (LABSI-20)
  - processes (LABSI-20)
    - 1 (LABSI-20 - v1, 11/6/19 1:34 PM - 3 kB)
    - Data\_NilaiUjian (LABSI-20 - v1, 11/6/19 12:51 PM - 3 kB)
    - Data\_NilaiUjianTugas (LABSI-20 - v1, 11/6/19 1:35 PM - 3 kB)

1:49 PM 11/6/2019

<new process\*> - RapidMiner Studio Free 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

ExampleSet (/Local Repository/Data\_NilaiUjianTugas) ExampleSet (/Local Repository/Data\_NilaiUjian)

ExampleSet (SVD) Cluster Model (Clustering)

Result History SVD (SVD) ExampleSet (Clustering)

Eigenvalues

Svd vectors

Cumulative Variance

Annotations

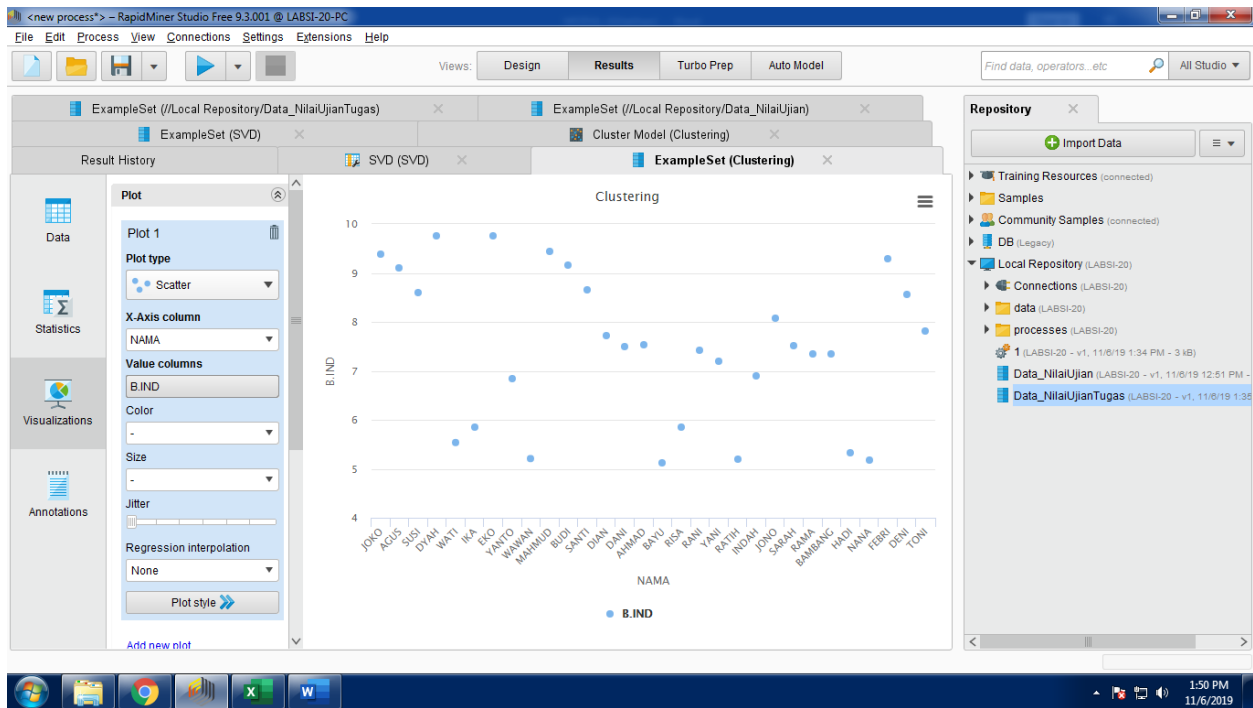
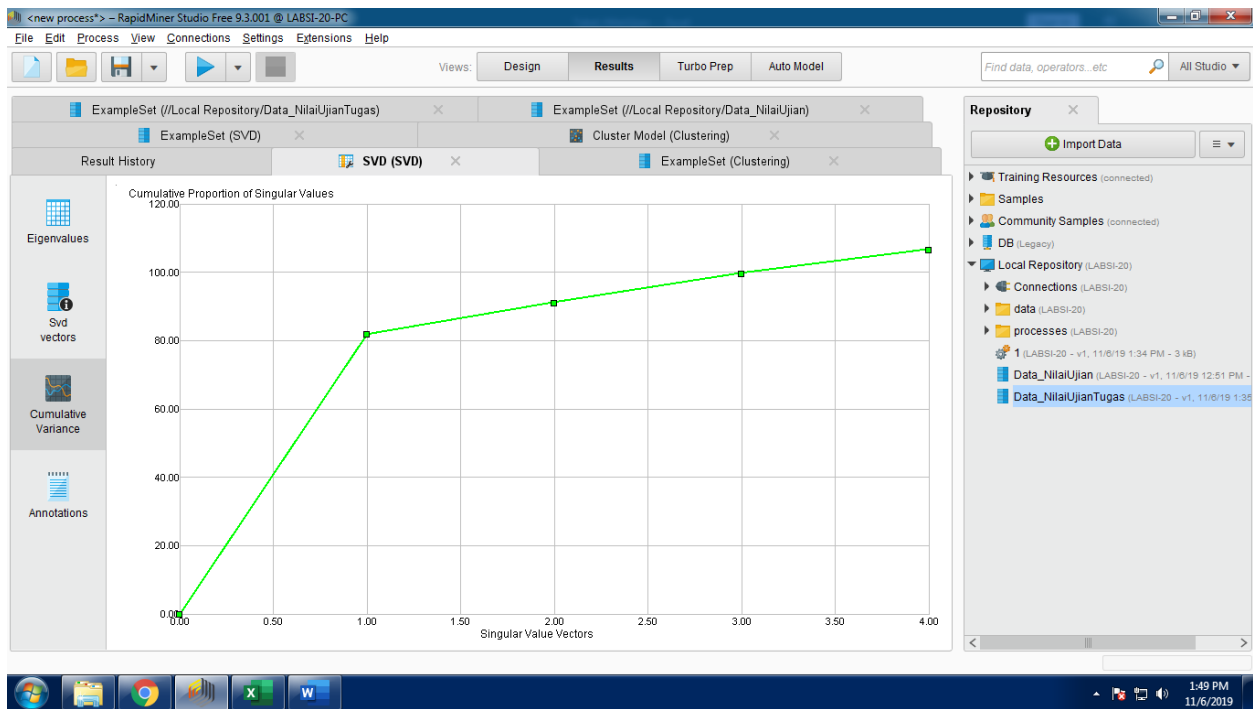
Attribute	SVD Vector 1	SVD Vector 2	SVD Vector 3
B.IIND	0.503	-0.138	-0.508
B.IING	0.486	0.776	0.391
MTK	0.475	-0.614	0.630
IPA	0.534	-0.031	-0.438

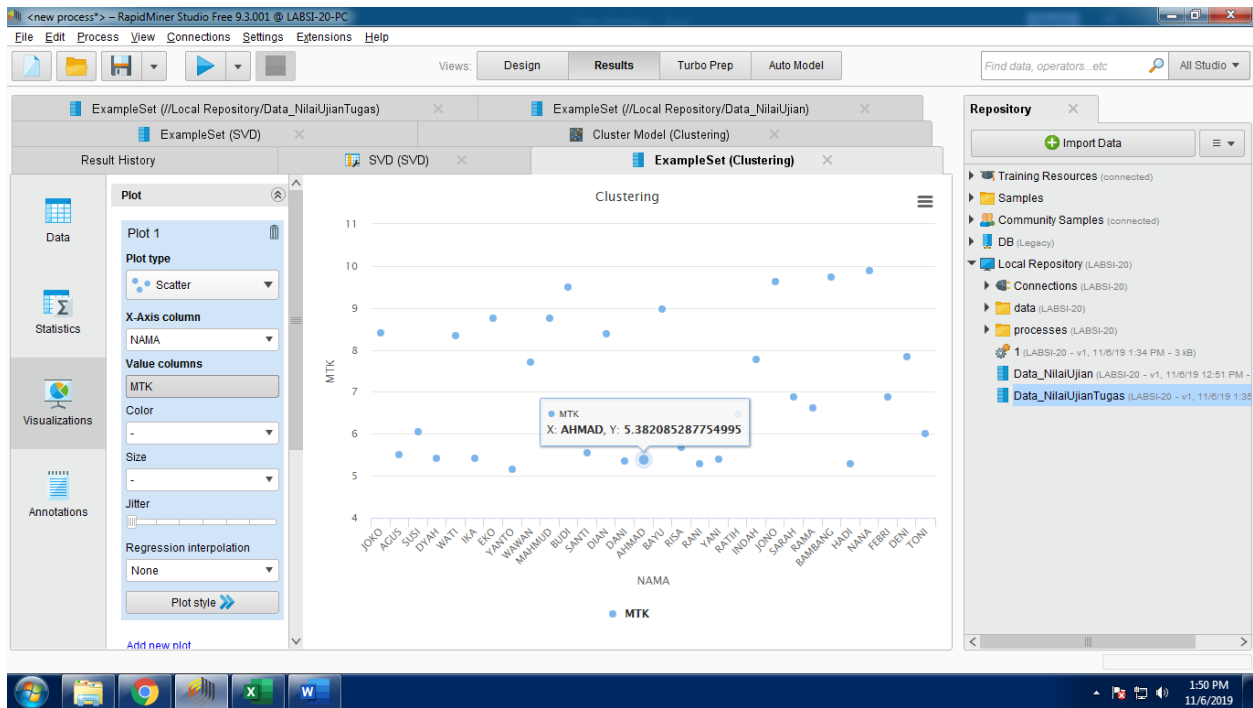
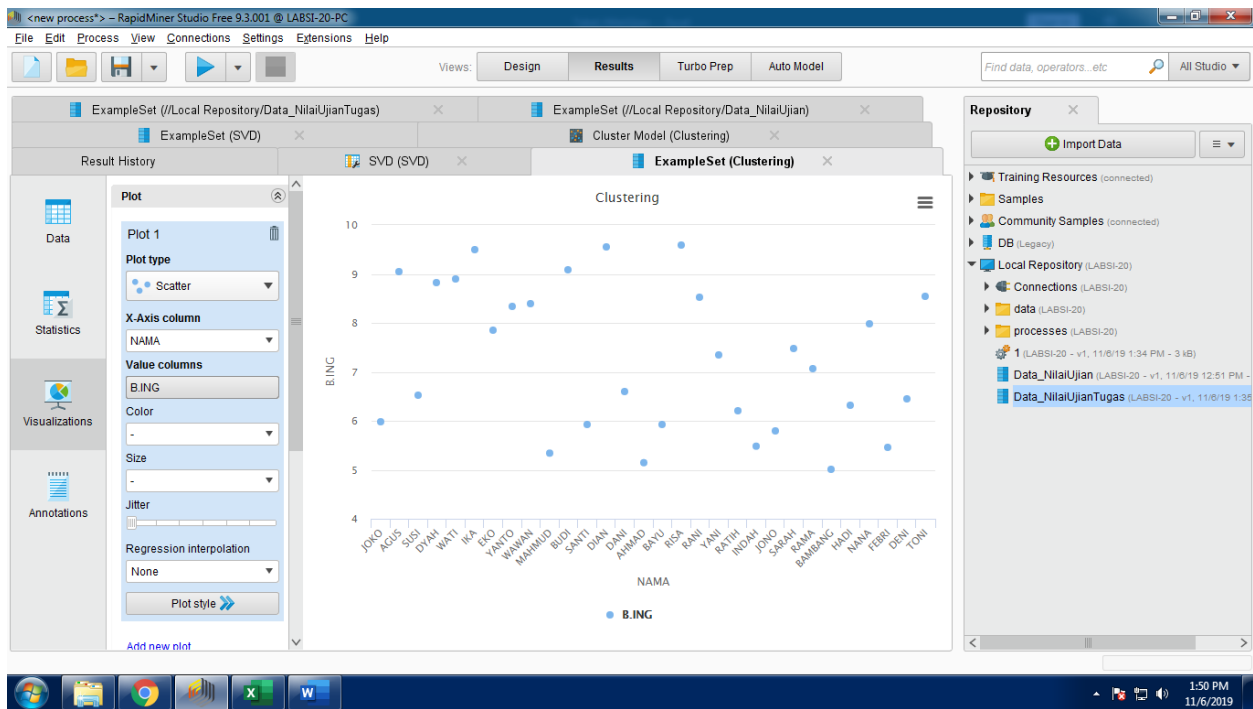
Repository

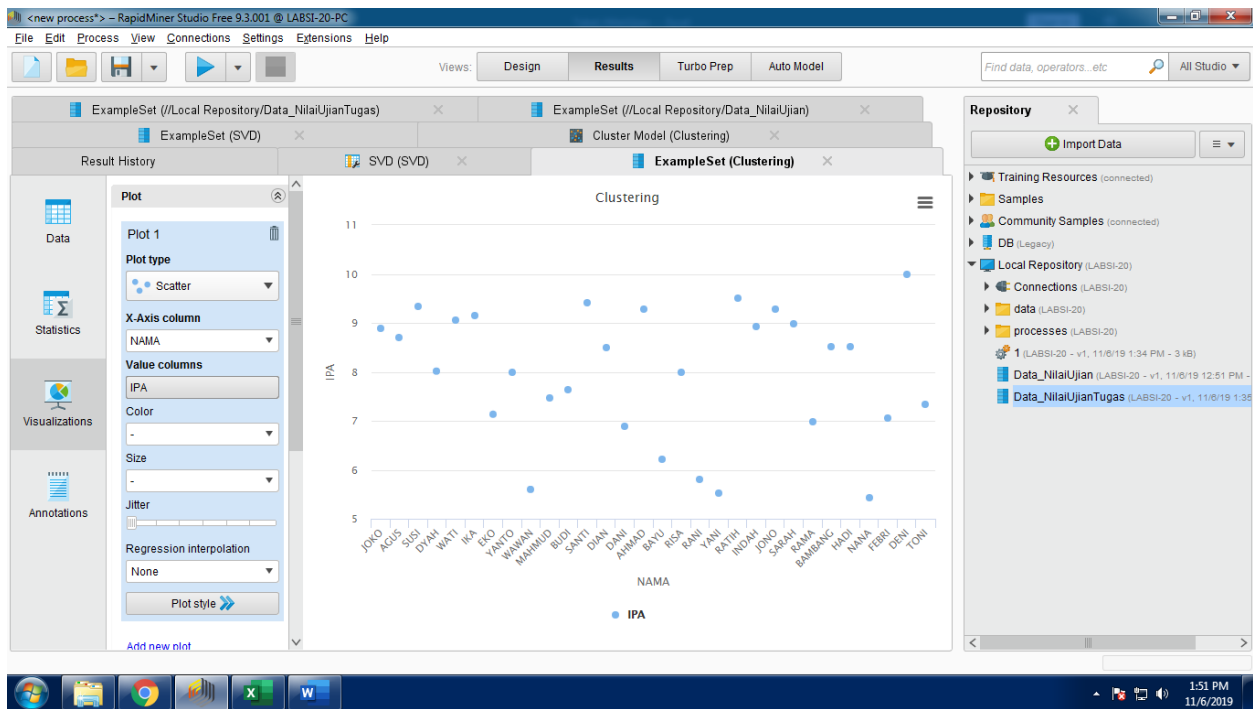
Import Data

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    - Data\_NilaiUjian (LABSI-20 - v1, 11/6/19 12:51 PM - 3 kB)
    - Data\_NilaiUjianTugas (LABSI-20 - v1, 11/6/19 1:35 PM - 3 kB)

1:49 PM 11/6/2019







ExampleSet (/Local Repository/Data\_NilaiUjianTugas) ExampleSet (/Local Repository/Data\_NilaiUjian)

Result History SVD (SVD) ExampleSet (Clustering)

ExampleSet (SVD)

Open in Turbo Prep Auto Model

Filter (30 / 30 examples): all

Row No.	NAMA	cluster ↑	svd_1
1	JOKO	cluster_0	0.200
7	EKO	cluster_0	0.204
10	MAHMUD	cluster_0	0.189
11	BUDI	cluster_0	0.215
13	DIAN	cluster_0	0.208
21	INDAH	cluster_0	0.178
22	JONO	cluster_0	0.200
25	BAMBANG	cluster_0	0.187
28	FEBRI	cluster_0	0.175
29	DENI	cluster_0	0.201
2	AGUS	cluster_1	0.198
3	SUSI	cluster_1	0.187
4	DYAH	cluster_1	0.196

ExampleSet (30 examples, 2 special attributes, 1 regular attribute)

Repository

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    - 1 (LABSI-20 - v1, 11/6/19 1:34 PM - 3 kB)
    - Data\_NilaiUjian (LABSI-20 - v1, 11/6/19 12:51 PM - 11 kB)
    - Data\_NilaiUjianTugas (LABSI-20 - v1, 11/6/19 1:35 PM - 11 kB)



Result History

ExampleSet (SVD) ExampleSet (Clustering)

ExampleSet (/Local Repository/Data\_NilaiUjianTugas) ExampleSet (/Local Repository/Data\_NilaiUjian)

Cluster Model (Clustering)

### Cluster Model

Description

Cluster 0: 10 items  
Cluster 1: 16 items  
Cluster 2: 4 items  
Total number of items: 30

Folder View

Graph

Centroid Table

Plot

Repository

Import Data

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    - Data\_NilaiUjian (LABSI-20 - v1, 11/6/19 12:51 PM - 3 kB)
    - Data\_NilaiUjianTugas (LABSI-20 - v1, 11/6/19 1:35 PM - 3 kB)

Result History

ExampleSet (SVD) ExampleSet (Clustering)

ExampleSet (/Local Repository/Data\_NilaiUjianTugas) ExampleSet (/Local Repository/Data\_NilaiUjian)

Cluster Model (Clustering)

Zoom

Tree

☒ Node Labels

☒ Edge Labels

JOKO  
EKO  
MAHMUD  
BUDI  
DIAH  
INDAH  
JONO  
BAMBANG  
FEBRI  
DENI

Repository

Import Data

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    - Data\_NilaiUjian (LABSI-20 - v1, 11/6/19 12:51 PM - 3 kB)
    - Data\_NilaiUjianTugas (LABSI-20 - v1, 11/6/19 1:35 PM - 3 kB)

Tabel\_NilaiUjian - Excel

File Home Insert Page Layout Formulas Data Review View Help Tell me what you want to do

Clipboard Font Alignment Number

H2 8.88611121390482

	A	B	C	D	E	F	G	H	I
	NO	NAMA	CLUSTER	SVD	B.IND	B.ING	MTK	IPA	
1		1 JOKO	cluster_0	0.199707443	9.387447016	5.977114942	8.413786434	8.886111214	
2		2 EKO	cluster_0	0.203541913	9.754535383	7.846458495	8.743033692	7.135084658	
3		3 MAHMUD	cluster_0	0.188396895	9.442818171	5.340111305	8.753167466	7.463576101	
4		4 BUDI	cluster_0	0.214968555	9.166865666	9.081826271	9.500193719	7.64409215	
5		5 DIAN	cluster_0	0.207340593	7.715987878	9.550887522	8.386855682	8.494020387	
6		6 INDAH	cluster_0	0.178044885	6.901971191	5.482026778	7.773129241	8.921947476	
7		7 JONO	cluster_0	0.200205172	8.065969981	5.797610821	9.632200362	9.286771818	
8		8 BAMBANG	cluster_0	0.186682881	7.346660635	5.003282395	9.73611329	8.519763661	
9		9 FEBRI	cluster_0	0.175105842	9.294244581	5.455270103	6.869378454	7.046980379	
10		10 DENI	cluster_0	0.201174558	8.553148174	6.439883423	7.840724039	9.984578629	
11		11 AGUS	cluster_1	0.198106026	9.103625502	9.054182067	5.502773498	8.694350702	
12		12 SUSI	cluster_1	0.187348621	8.595458151	6.521905197	6.057157503	9.334068514	
13		13 DYAH	cluster_1	0.195835873	9.750047351	8.82933916	5.421144713	8.014769701	
14		14 IKA	cluster_1	0.183118115	5.841419635	9.489880578	5.412874092	9.148717692	
15		15 YANTO	cluster_1	0.173487805	6.850339052	8.33307468	5.162836376	7.996636443	
16		16 SANTI	cluster_1	0.181722448	8.65684589	5.928660678	5.550601621	9.403206317	
17		17 DANI	cluster_1	0.160965616	7.492316884	6.592432319	5.346126074	6.892414671	
18		18 AHMAD	cluster_1	0.16839554	7.536861427	5.145414667	5.382085288	9.275313746	
19		19 RISA	cluster_1	0.177729064	5.84232272	9.58962825	5.67824447	7.994483407	
20		20 RANI	cluster_1	0.164545876	7.417337978	8.526531032	5.287883697	5.803952735	
21		21 YANI	cluster_1	0.154984451	7.195334421	7.339129122	5.393635166	5.532626827	
22		22 RATHI	cluster_1	0.168146575	5.199129832	6.210571815	6.464046818	9.506481485	
23		23 SARAH	cluster_1	0.188328939	7.514085054	7.480547277	6.880219181	8.990422243	
24		24 RAMA	cluster_1	0.170732466	7.340331672	7.060261618	6.614557597	6.980892747	
25		25 HADI	cluster_1	0.156283094	5.328206752	6.311575264	5.294990018	8.511981206	
26		26 TONI	cluster_1	0.181236709	7.804775863	8.54535422	6.012419614	7.338913337	
27		27 WATI	cluster_2	0.194132011	5.536224043	8.901519326	8.34213895	9.057831931	
28		28 WAWAN	cluster_2	0.162930513	5.208531366	8.396086658	7.711851739	5.59953796	
29		29 BAYU	cluster_2	0.15912539	5.129398631	5.931758221	8.979058715	6.20671282	
30		30 NANA	cluster_2	0.171778707	5.17842554	7.978922653	9.888452607	5.430531591	
31									
32									
33									

Sheet1 Sheet2 Sheet3

Average: 7