

TUGAS MODUL 10

The screenshot shows the Microsoft Excel interface. The ribbon at the top includes the following tabs: File, Home, Insert, Page Layout, Formulas, Data, Review, View, Help, and Tell me what you want to do. The Home tab is active, showing options for Clipboard, Font, Alignment, Number, Styles, Cells, and Editing. The spreadsheet area displays a table with columns labeled A through U and rows numbered 1 through 32. The data is as follows:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
10	S-109	WAWAN	7.61	8.89	7.63	9.43															
11	S-110	MAHMUD	9.98	9.31	6.36	6.83															
12	S-111	BUDI	8.92	7.86	5.13	9.64															
13	S-112	SANTI	6.60	5.27	6.52	7.01															
14	S-113	DIAN	5.78	6.15	7.76	8.18															
15	S-114	DANI	7.87	5.73	7.18	9.69															
16	S-115	AHMAD	9.36	6.00	5.93	9.87															
17	S-116	BAYU	7.03	8.95	9.48	7.58															
18	S-117	RISA	5.44	8.54	8.48	7.01															
19	S-118	RANI	9.94	7.92	6.25	9.96															
20	S-119	YANI	9.19	8.46	6.28	6.67															
21	S-120	RATIH	6.76	6.86	9.51	9.63															
22	S-121	INDAH	7.44	9.98	7.51	9.26															
23	S-122	JONO	5.38	8.90	5.68	7.27															
24	S-123	SARAH	9.15	9.44	5.51	5.23															
25	S-124	RAMA	9.10	9.21	9.38	9.87															
26	S-125	BAMBANG	8.93	5.31	7.69	7.41															
27	S-126	HADI	6.33	8.62	7.30	7.13															
28	S-127	NANA	7.77	8.78	9.14	8.91															
29	S-128	FEBRI	5.17	6.24	8.23	6.05															
30	S-129	DENI	6.85	6.14	6.02	9.05															
31	S-130	TONI	8.52	6.97	6.20	8.89															
32																					

A green box highlights cell H26. The status bar at the bottom shows 'Sheet1' and a zoom level of 100%.

Import Data - Select the cells to import.

Select the cells to import.

Sheet: Sheet1 Cell range: B1:F31 Select All ☒ Define header row: 1

	A	B	C	D	E	F
1	NO_SISWA	NAMA	B.IND	B.ING	MTK	IPA
2	S-101	JOKO	8.539	6.567	9.449	9.215
3	S-102	AGUS	5.776	8.886	7.732	9.415
4	S-103	SUSI	6.645	8.298	8.325	8.316
5	S-104	DYAH	8.107	5.296	6.875	8.634
6	S-105	WATI	6.677	6.567	9.874	5.651
7	S-106	IKA	8.936	9.169	7.397	8.028
8	S-107	EKO	9.942	5.245	5.382	7.707
9	S-108	YANTO	6.992	8.864	9.700	8.303
10	S-109	WAWAN	7.822	5.819	6.172	6.732
11	S-110	MAHMUD	8.961	7.956	6.150	9.556
12	S-111	BUDI	9.005	8.761	7.990	9.629
13	S-112	SANTI	9.548	6.317	9.960	6.244
14	S-113	DIAN	9.610	9.605	5.374	9.113

Previous Next Cancel

9.899

11:13 AM 11/14/2019

Import Data - Format your columns.

Format your columns.

☐ Replace errors with missing values

	NAMA polynomial id	B.IND real	B.ING real	MTK real	IPA real
1	JOKO	8.539	6.567	9.449	9.215
2	AGUS	5.776	8.886	7.732	9.415
3	SUSI	6.645	8.298	8.325	8.316
4	DYAH	8.107	5.296	6.875	8.634
5	WATI	6.677	6.567	9.874	5.651
6	IKA	8.936	9.169	7.397	8.028
7	EKO	9.942	5.245	5.382	7.707
8	YANTO	6.992	8.864	9.700	8.303
9	WAWAN	7.822	5.819	6.172	6.732
10	MAHMUD	8.961	7.956	6.150	9.556
11	BUDI	9.005	8.761	7.990	9.629
12	SANTI	9.548	6.317	9.960	6.244
13	DIAN	9.610	9.605	5.374	9.113

no problems.

Previous Next Cancel

11:14 AM 11/14/2019

ExampleSet (/Local Repository/Data_NilaiUjian)

Result History

Open in Turbo Prep Auto Model

Filter (30 / 30 examples): all

Row No.	NAMA	B.JND	B.ING	MTK	IPA
1	JOKO	8.539	6.567	9.449	9.215
2	AGUS	5.776	8.886	7.732	9.415
3	SUSI	6.645	8.298	8.325	8.316
4	DYAH	8.107	5.296	6.875	8.634
5	WATI	6.677	6.567	9.874	5.651
6	IKA	8.936	9.169	7.397	8.028
7	EKO	9.942	5.245	5.382	7.707
8	YANTO	6.992	8.864	9.700	8.303
9	WAWAN	7.822	5.819	6.172	6.732
10	MAHMUD	8.961	7.956	6.150	9.556
11	BUDI	9.005	8.761	7.990	9.629
12	SANTI	9.548	6.317	9.960	6.244
13	DIAN	9.610	9.605	5.374	9.113
14	DANI	5.293	7.863	6.338	6.427

ExampleSet (30 examples, 1 special attribute, 4 regular attributes)

Repository

- Import Data
- Training Resources (connected)
- Samples
- Community Samples (connected)
- DB (Legacy)
- Local Repository (LABSI-21)
 - Connections (LABSI-21)
 - data (LABSI-21)
 - processes (LABSI-21)
 - Data_NilaiUjian (LABSI-21 - v1, 11/14/19)
 - DataTugas_NilaiUjian (LABSI-21 - v1, 11/14/19)

Process

Retrieve DataTugas_... Clustering SVD

Parameters

SVD (Singular Value Decomposition)

dimensionality reduction... fixed number

dimensions 1

Show advanced parameters

Change compatibility (9.3.0011)

Help

Singular Value Decomposition

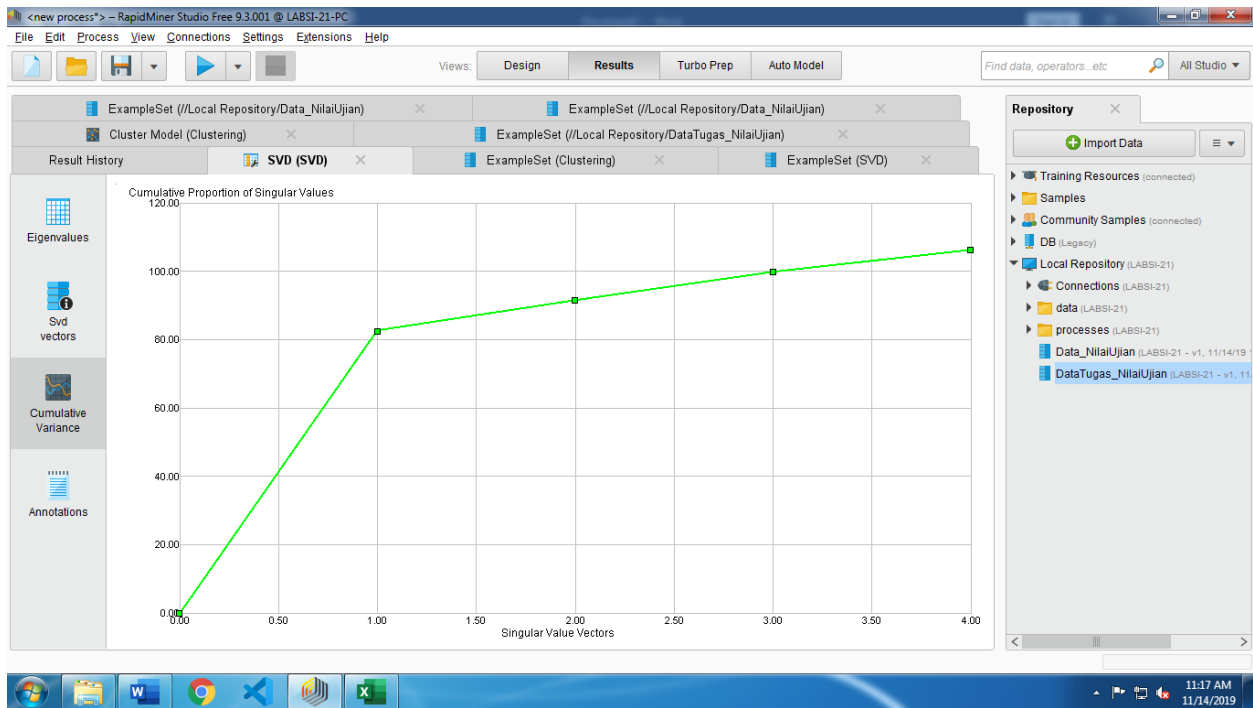
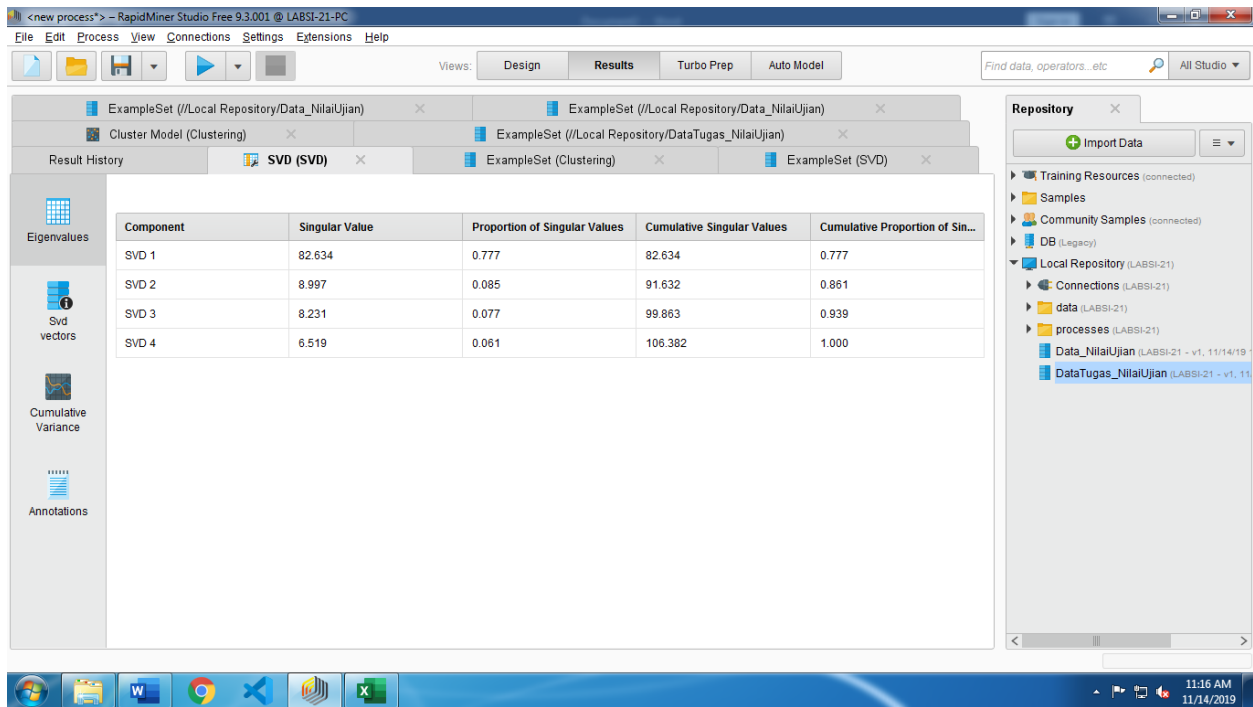
RapidMiner Studio Core

Tags: PCA, Components, Orthogonal, Eigenvalues, Decompositions, Reduction, Multicollinearity, SVD, Dimensionality Reduction

Synopsis

Leverage the Wisdom of Crowds to get operator recommendations based on your process design!

Activate Wisdom of Crowds



Clustering

ExampleSet (30 examples, 2 special attributes, 4 regular attributes)

Row No.	NAMA	cluster ↑	B.IND	B.JING	MTK	IPA
1	JOKO	cluster_0	8.539	6.567	9.449	9.215
5	WATI	cluster_0	6.677	6.567	9.874	5.651
12	SANTI	cluster_0	9.548	6.317	9.960	6.244
17	RISA	cluster_0	8.388	6.210	8.449	6.110
19	YANI	cluster_0	6.680	5.771	9.659	7.997
22	JONO	cluster_0	6.126	6.444	9.329	8.351
25	BAMBANG	cluster_0	7.376	8.635	9.196	5.485
27	NANA	cluster_0	8.789	6.017	7.791	5.717
6	IKA	cluster_1	8.936	9.169	7.397	8.028
7	EKO	cluster_1	9.942	5.245	5.382	7.707
10	MAHMUD	cluster_1	8.961	7.956	6.150	9.556
11	BUDI	cluster_1	9.005	8.761	7.990	9.629
13	DIAN	cluster_1	9.610	9.605	5.374	9.113

ExampleSet (30 examples, 2 special attributes, 4 regular attributes)

Row No.	NAMA	cluster ↑	B.IND	B.JING	MTK	IPA
20	RATIH	cluster_1	9.670	5.433	5.934	9.384
2	AGUS	cluster_2	5.776	8.886	7.732	9.415
3	SUSI	cluster_2	6.645	8.298	8.325	8.316
8	YANTO	cluster_2	6.992	8.864	9.700	8.303
16	BAYU	cluster_2	5.999	9.548	8.045	6.962
21	INDAH	cluster_2	8.099	8.900	8.068	7.387
24	RAMA	cluster_2	5.149	8.404	9.899	8.514
29	DENI	cluster_2	6.194	9.842	5.678	8.868
4	DYAH	cluster_3	8.107	5.296	6.875	8.634
9	WAWAN	cluster_3	7.822	5.819	6.172	6.732
14	DANI	cluster_3	5.293	7.863	6.338	6.427
15	AHMAD	cluster_3	5.937	7.036	7.433	9.191
18	RANI	cluster_3	5.584	7.229	5.472	5.653

<new process*> - RapidMiner Studio Free 9.3.001 @ LABSI-21-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_NilaiUjian) ExampleSet (/Local Repository/Data_NilaiUjian)

Cluster Model (Clustering) ExampleSet (/Local Repository/DataTugas_NilaiUjian)

Result History ExampleSet (Clustering) ExampleSet (SVD)

Open in Turbo Prep Auto Model Filter (30 / 30 examples): all

Row No.	NAMA	cluster ↑	B.IND	B.JING	MTK	IPA
16	BAYU	cluster_2	5.999	9.548	8.045	6.962
21	INDAH	cluster_2	8.099	8.900	8.068	7.387
24	RAMA	cluster_2	5.149	8.404	9.899	8.514
29	DENI	cluster_2	6.194	9.842	5.678	8.868
4	DYAH	cluster_3	8.107	5.296	6.875	8.634
9	WAWAN	cluster_3	7.822	5.819	6.172	6.732
14	DANI	cluster_3	5.293	7.863	6.338	6.427
15	AHMAD	cluster_3	5.937	7.036	7.433	9.191
18	RANI	cluster_3	5.584	7.229	5.472	5.653
23	SARAH	cluster_3	6.115	5.090	6.079	8.446
26	HADI	cluster_3	5.349	5.755	5.384	5.948
28	FEBRI	cluster_3	7.364	6.687	6.884	8.179
30	TONI	cluster_3	6.065	5.883	7.139	9.295

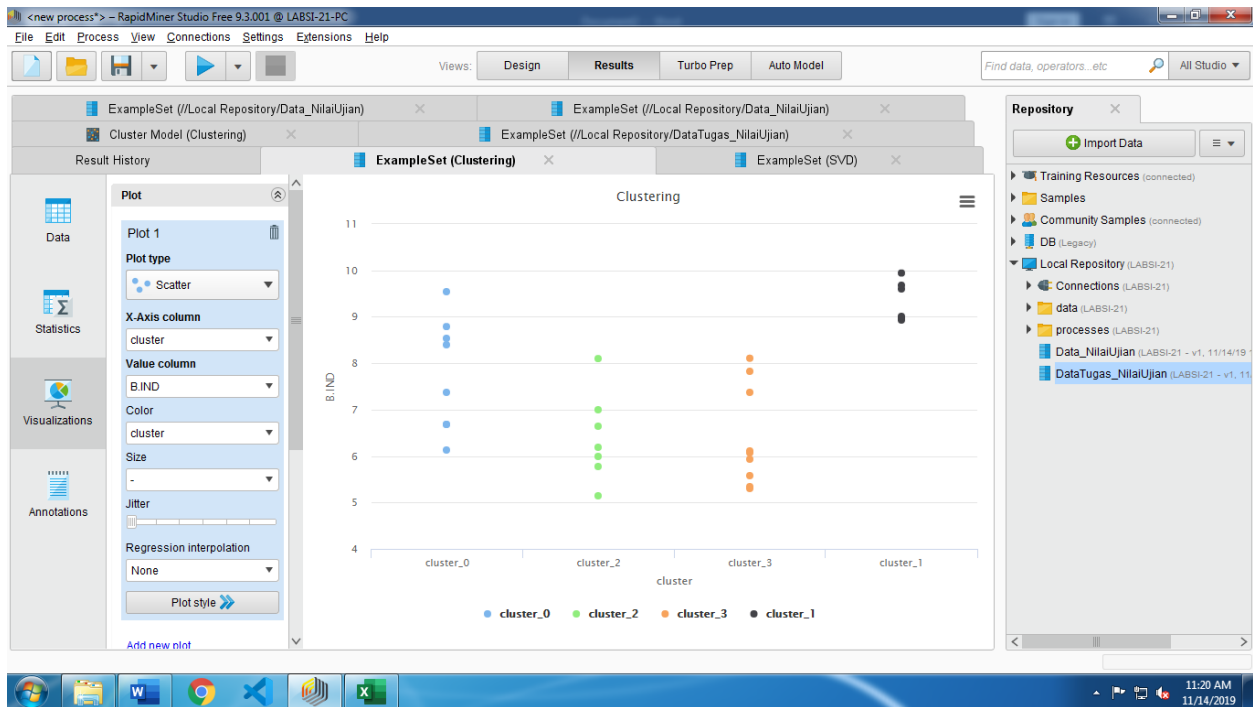
ExampleSet (30 examples, 2 special attributes, 4 regular attributes)

Repository

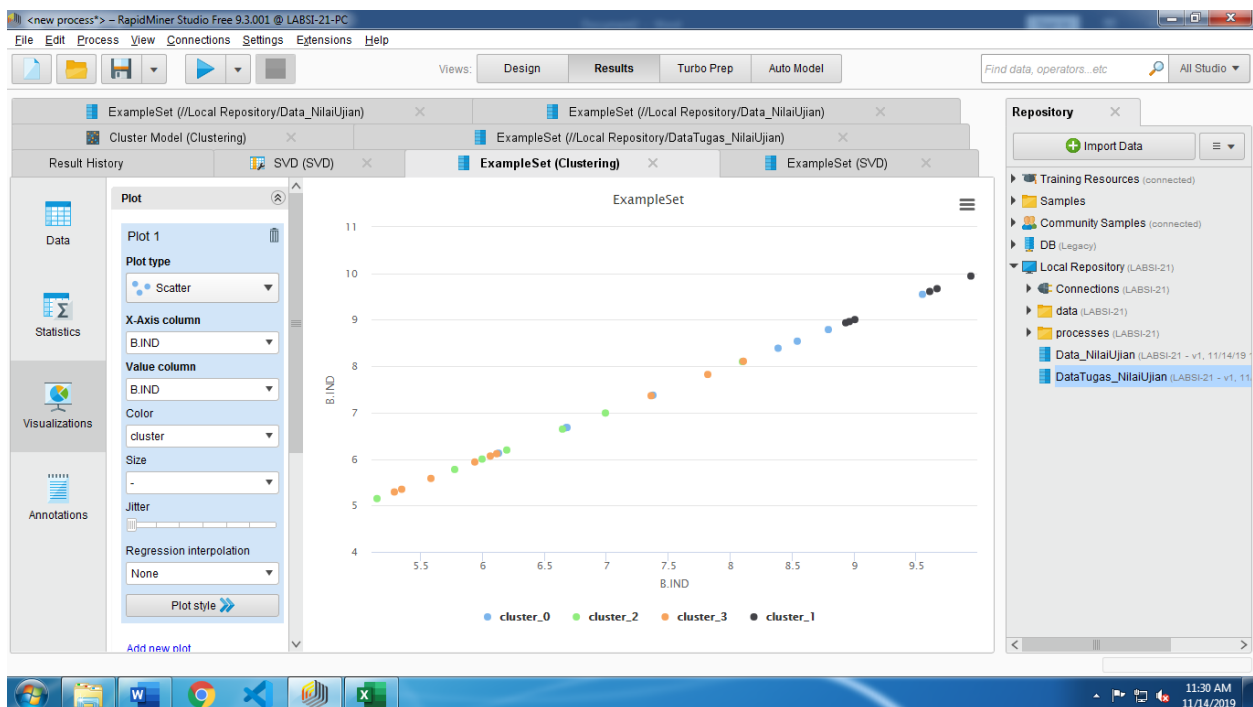
- Import Data
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11:28 AM 11/14/2019

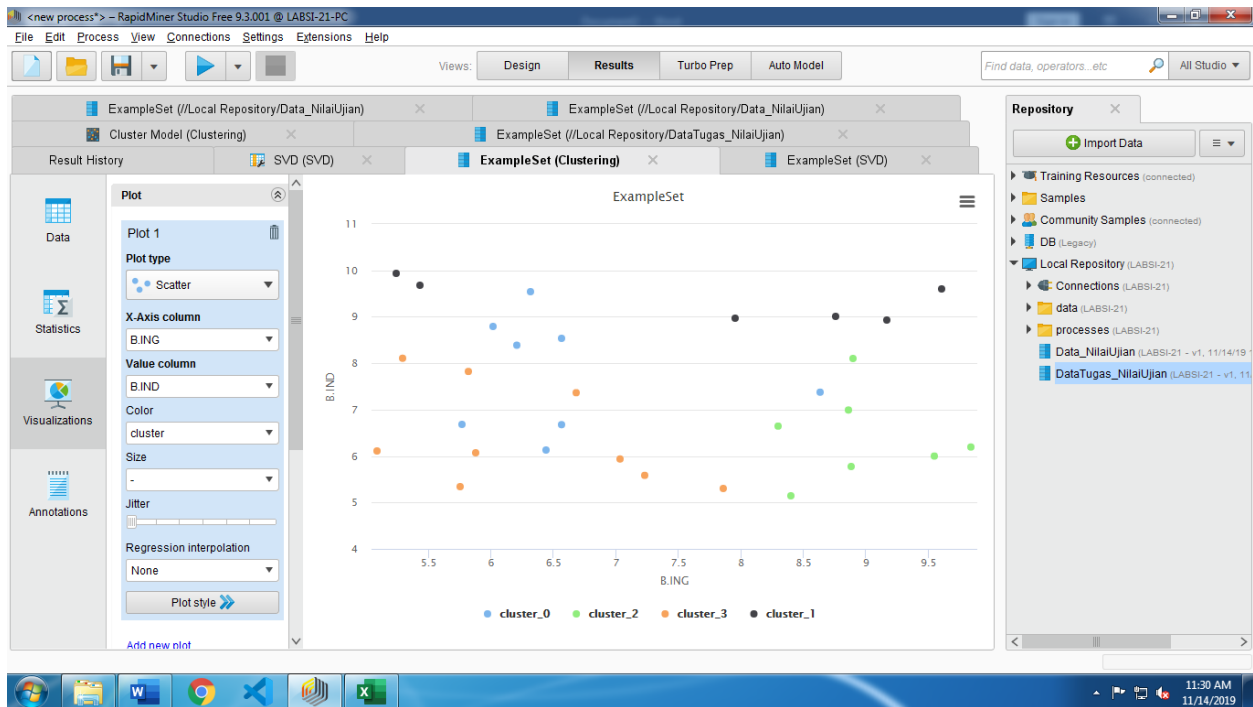
Cluster



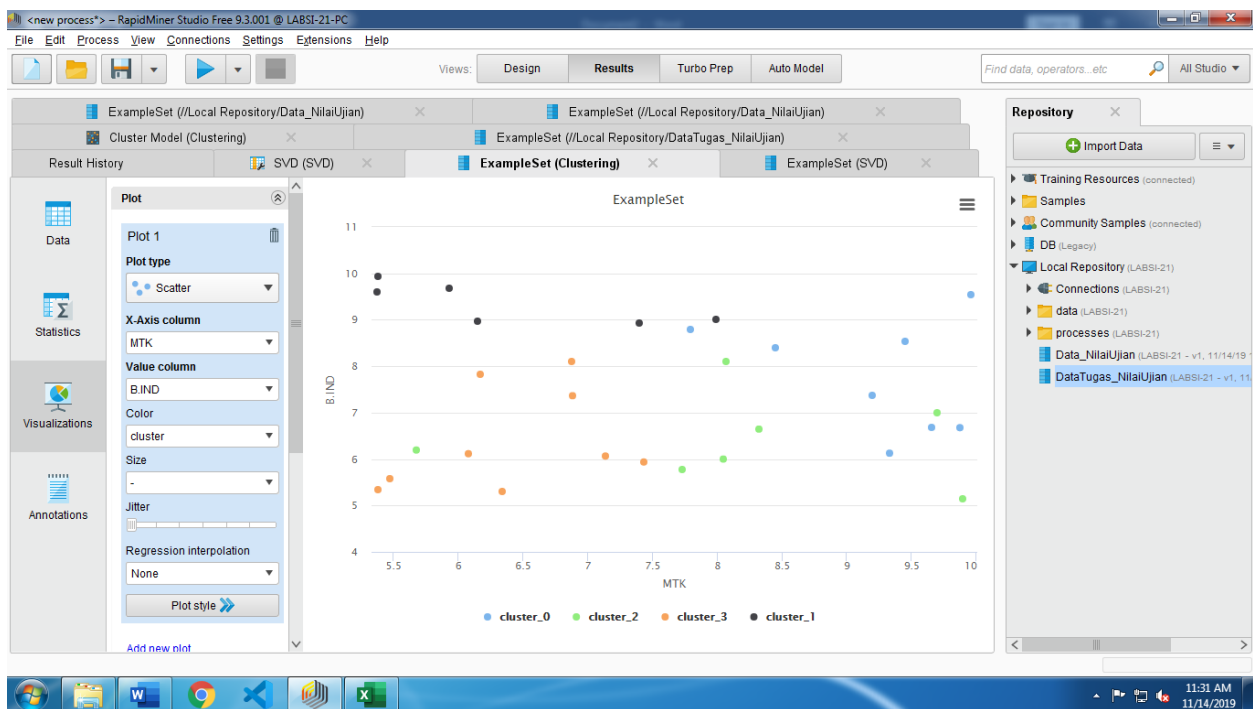
B.IND



B.ING



MTK



IPA

