Muhibah Fata Tika
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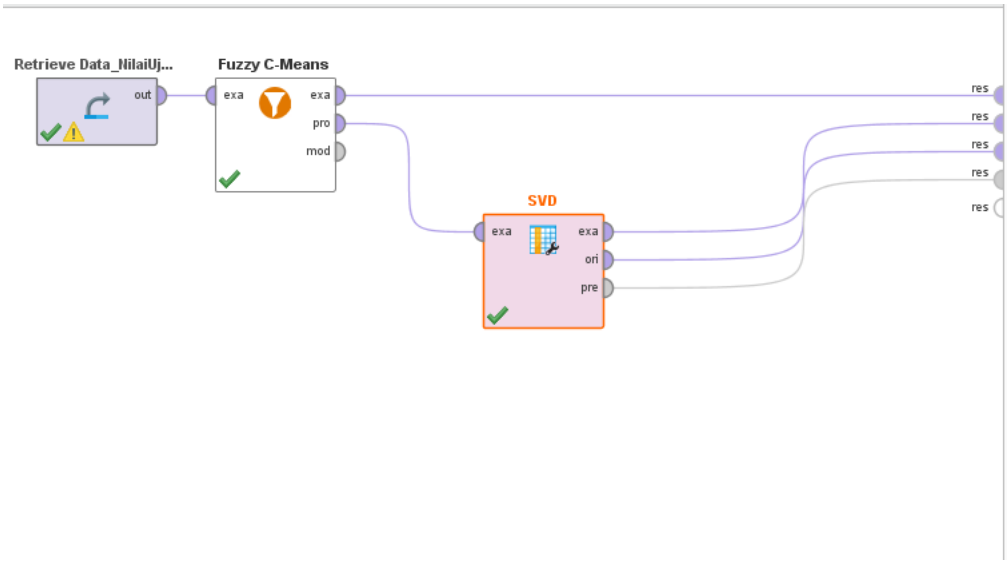
F
Prak DWDM

MODUL 14
Algoritma Clustering
Fuzzy C-Means

Latihan

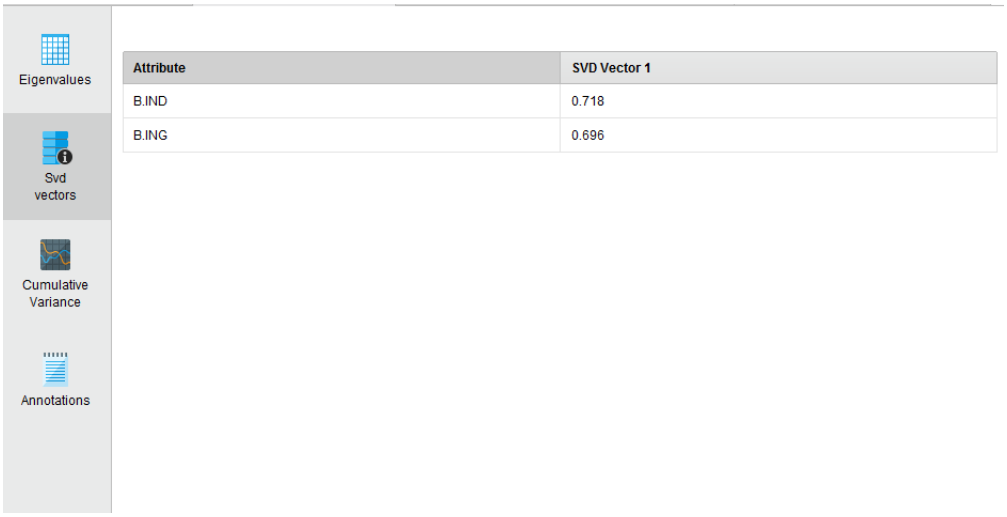
1. Memasukkan Data_NilaiUjian, Fuzzy C-Means,dan SVD ke dalam operator dan mengubungkan ke masing-masing connector.



2. Berikut hasil proses Clustering dengan algoritma Fuzzy C-Means
   a) SVD
      i. Nilai Eigenvalue

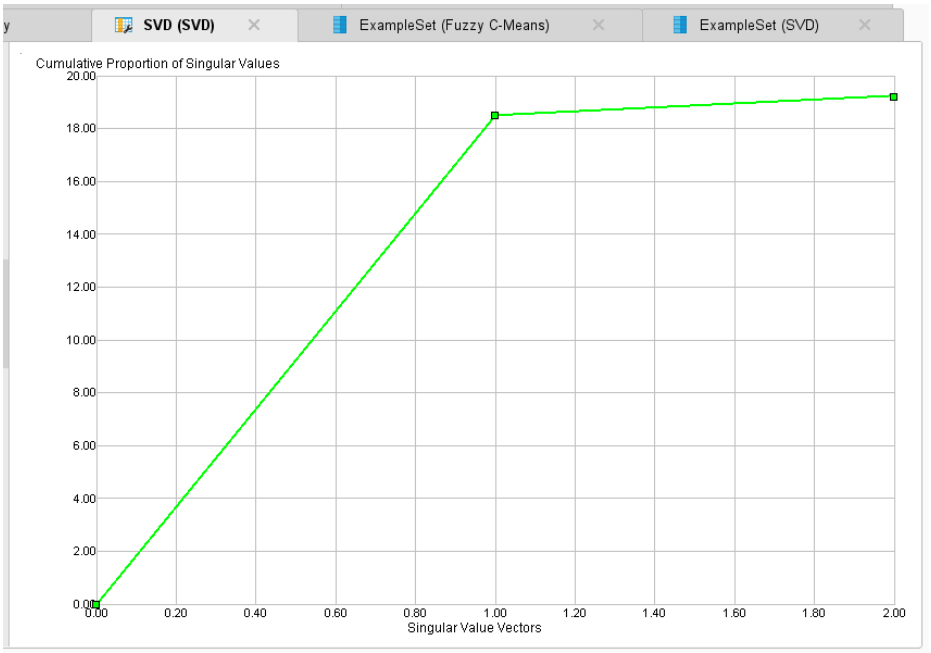
Component	Singular Value	Proportion of Singular V...	Cumulative Singular Val...	Cumulative Proportion ...
SVD 1	18.509	0.962	18.509	0.962
SVD 2	0.734	0.038	19.243	1.000

      ii. Nilai Svd vectors

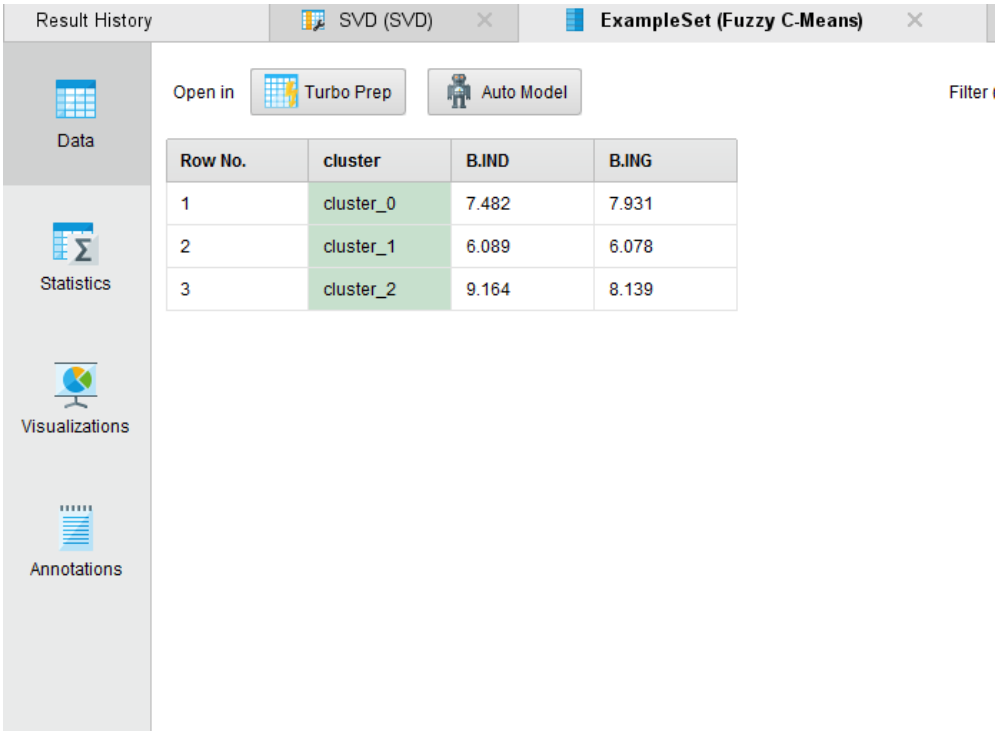


Attribute	SVD Vector 1
B.IND	0.718
B.ING	0.696

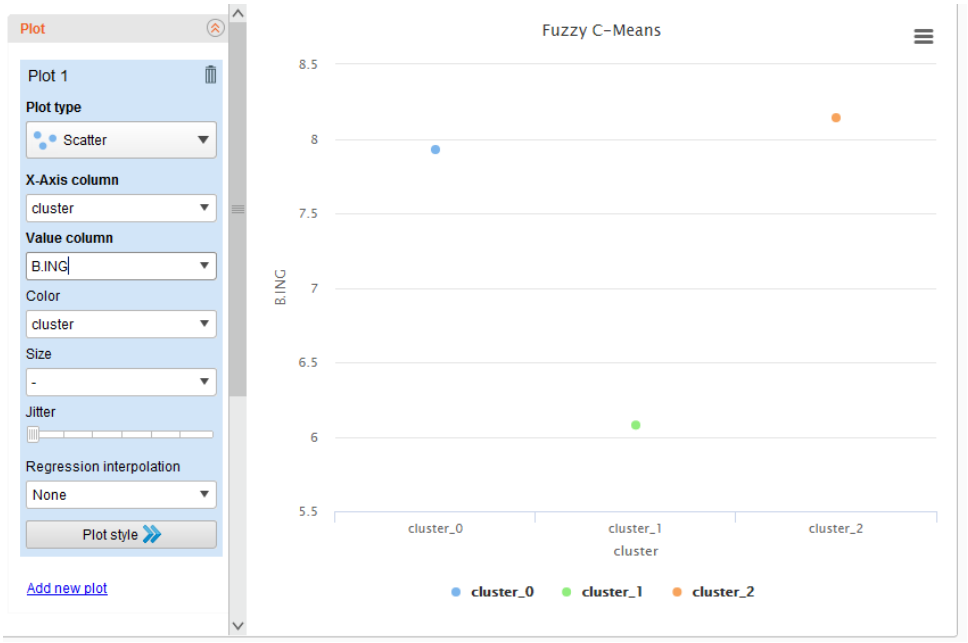
iii. Nilai Cumulative variance



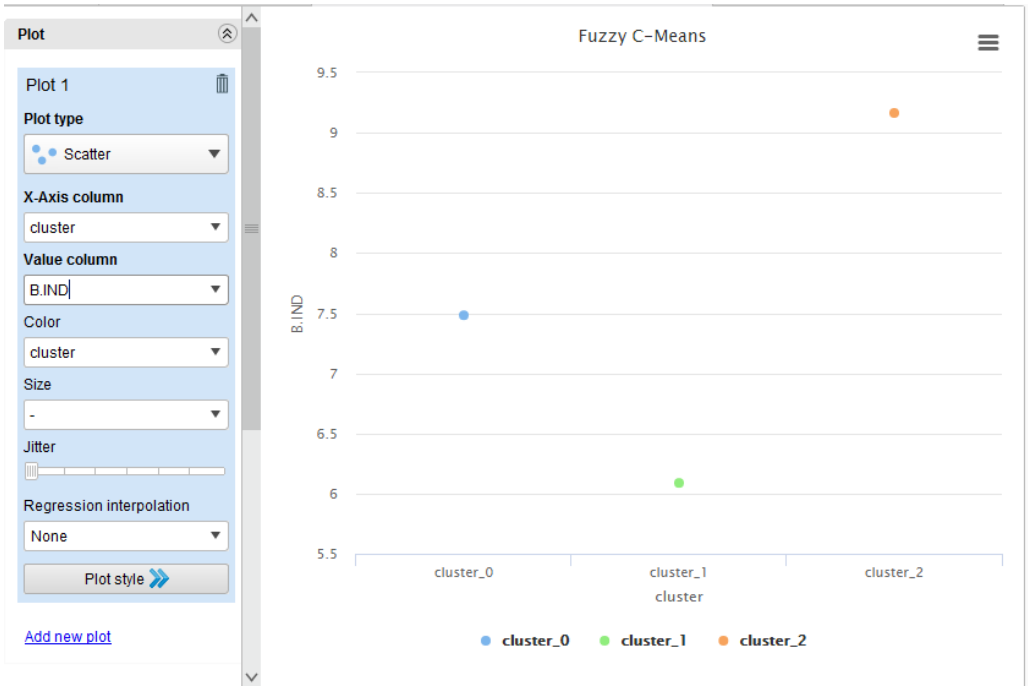
b) ExampleSet



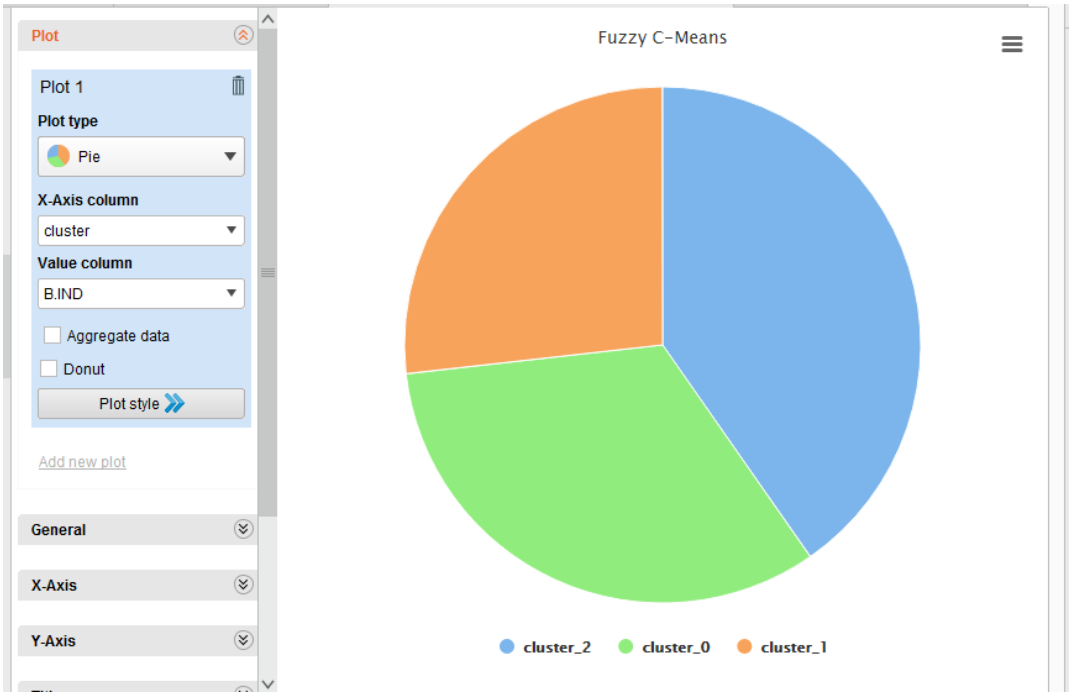
i. Kelompok siswa bidang B.Ing



ii. Kelompok siswa bidang B.indo

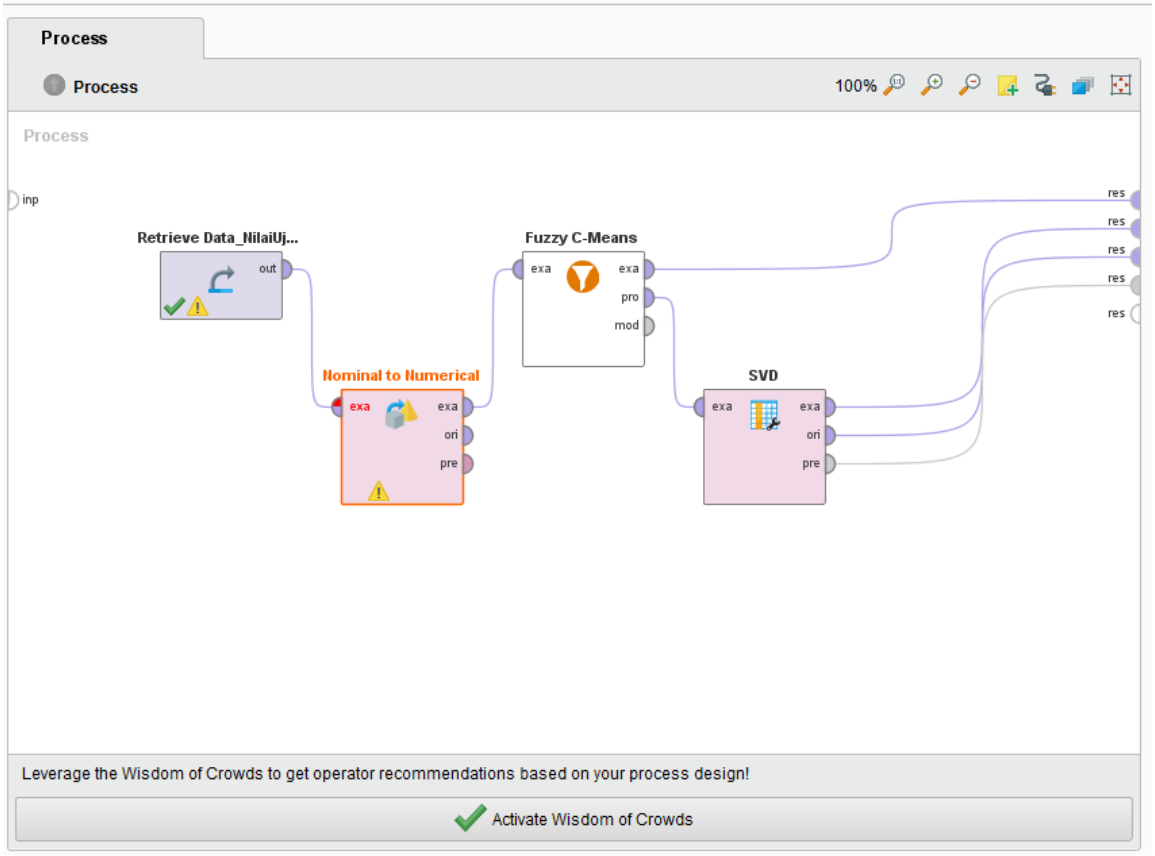


Dengan plotter = Pie



Tugas

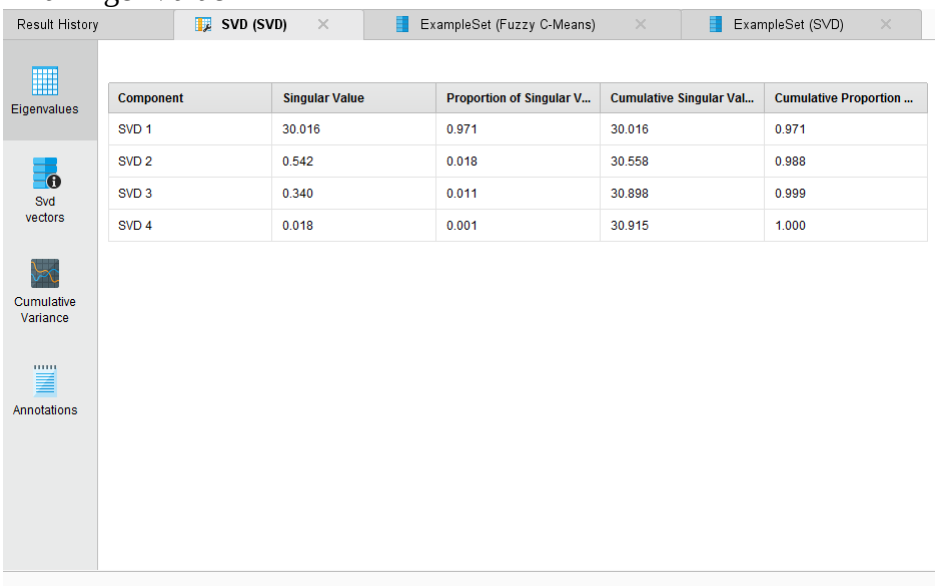
1. Memasukkan Data_NilaiUjian, Fuzzy C-Means,dan SVD ke dalam operator dan mengubungkan ke masing-masing connector.



2. Berikut hasil proses Clustering dengan algoritma Fuzzy C-Means

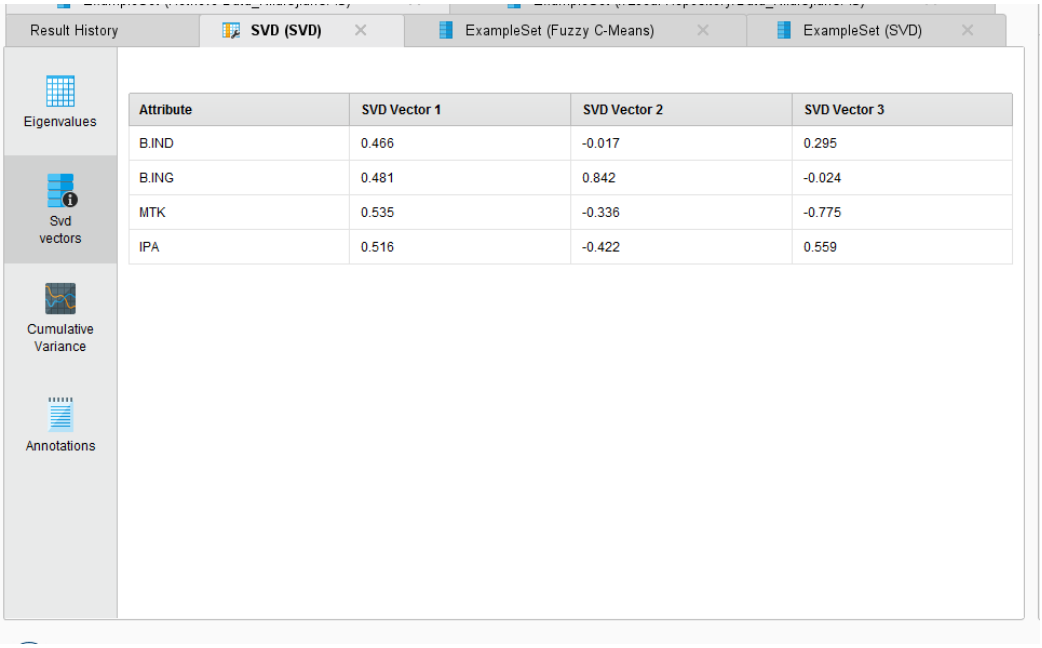
a) SVD

i. Nilai EigenValue



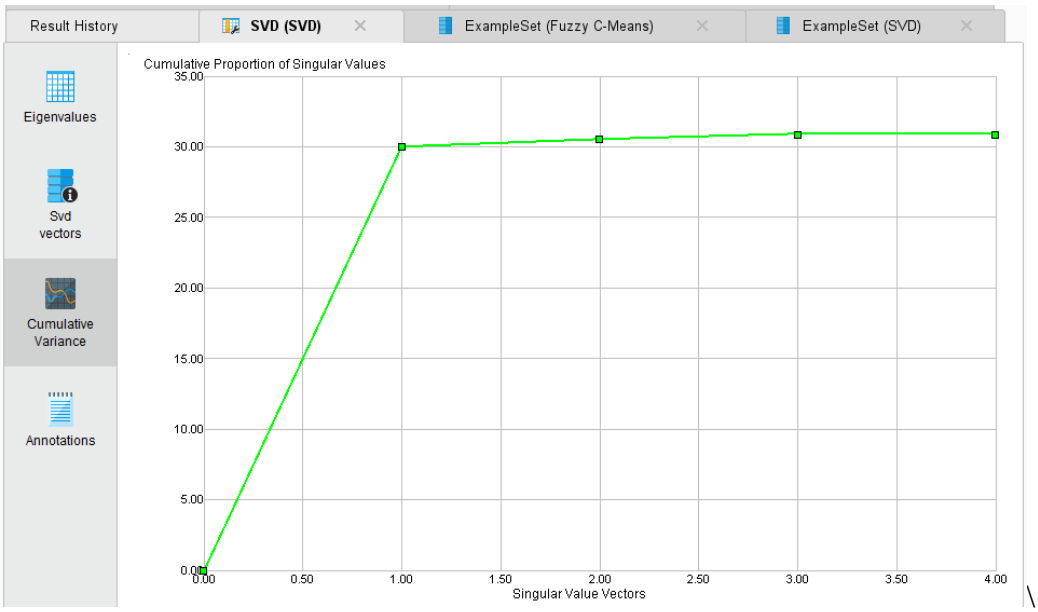
Component	Singular Value	Proportion of Singular V...	Cumulative Singular Val...	Cumulative Proportion ...
SVD 1	30.016	0.971	30.016	0.971
SVD 2	0.542	0.018	30.558	0.988
SVD 3	0.340	0.011	30.898	0.999
SVD 4	0.018	0.001	30.915	1.000

ii. Nilai Svd Vectors



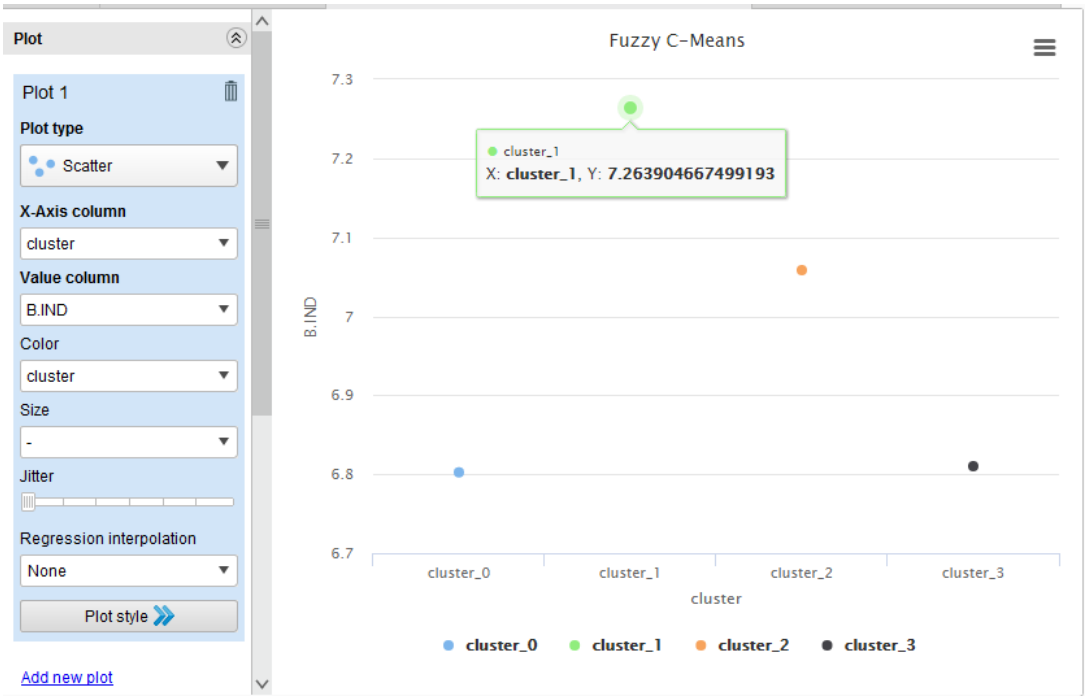
Attribute	SVD Vector 1	SVD Vector 2	SVD Vector 3
B.IND	0.466	-0.017	0.295
B.ING	0.481	0.842	-0.024
MTK	0.535	-0.336	-0.775
IPA	0.516	-0.422	0.559

iii. Nilai Cumulative Variance

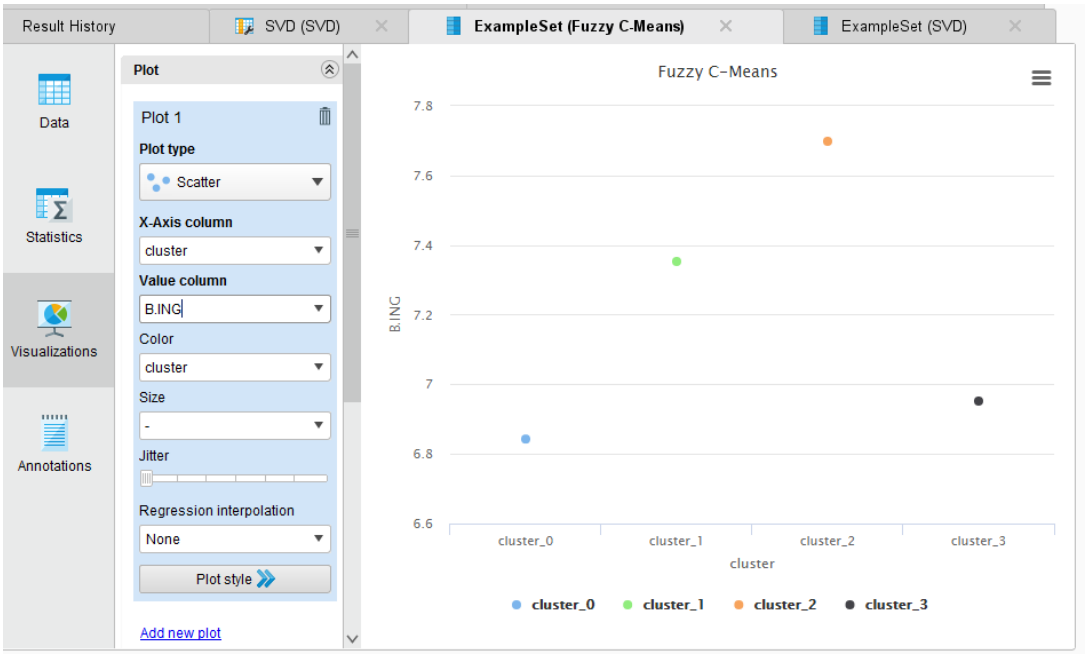


b) ExampleSet

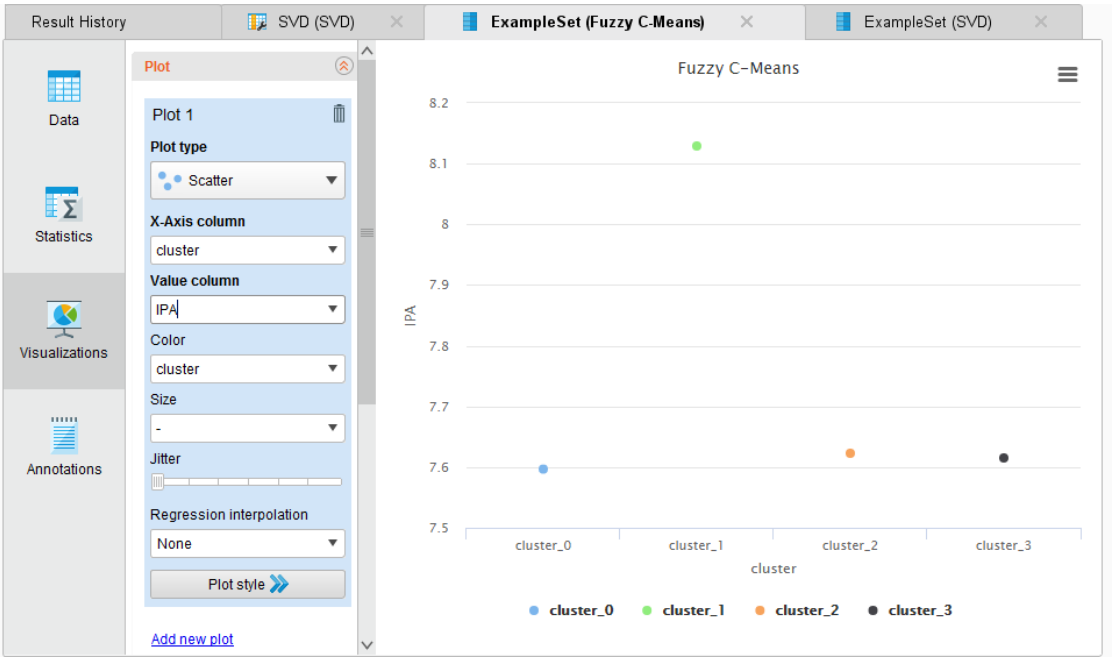
i. Kelompok siswa bidang B.Indo



ii. Kelompok siswa bidang B.Ing



iii. Kelompok siswa bidang IPA



iv. Kelompok siswa bidang MTK