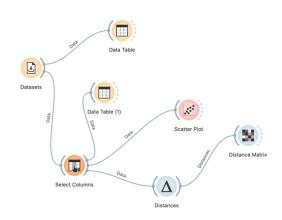
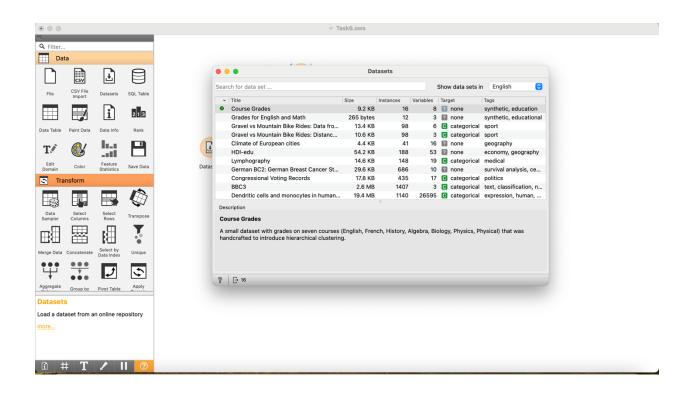
## 1103210211

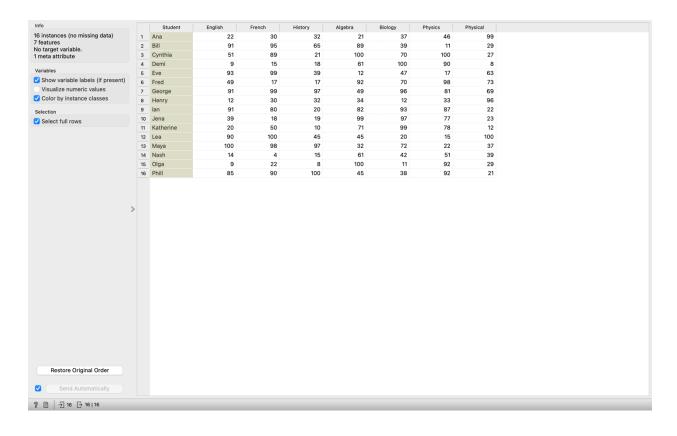
## **Euclidean Clustring Using ODM**

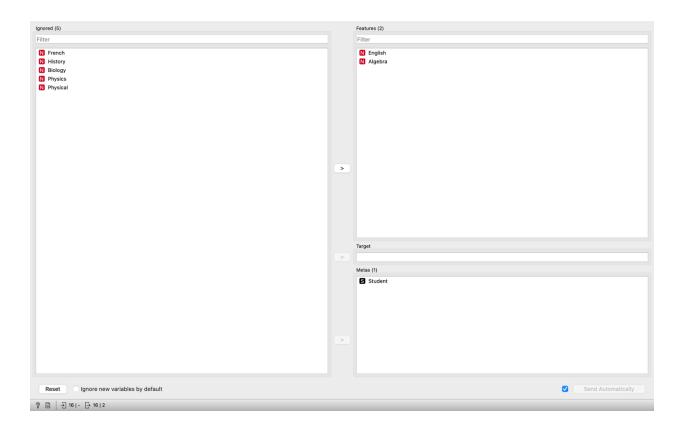
Clustering berdasarkan jarak Euclidean menggunakan metode ODM (Oracle Data Mining). Jarak Euclidean digunakan untuk mengukur kedekatan antar data dalam ruang multidimensi. Biasanya, hasilnya divisualisasikan dalam grafik atau diagram untuk menunjukkan grup-grup yang terbentuk.

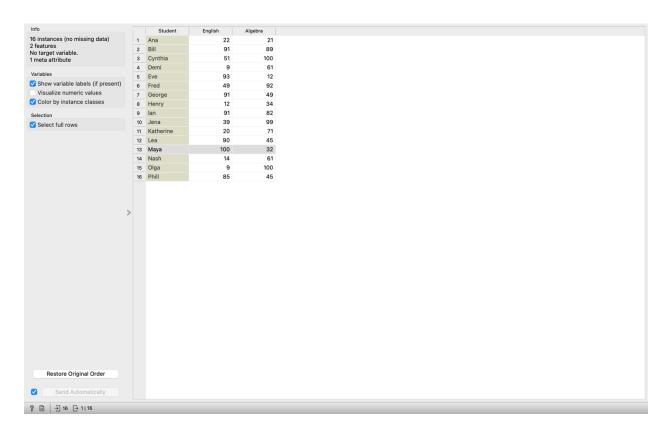


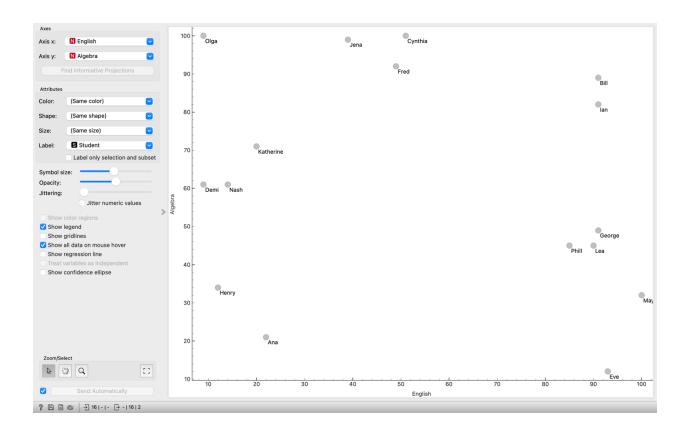




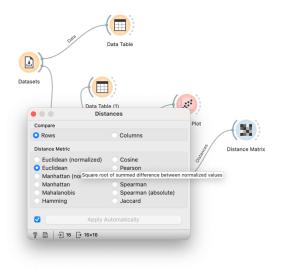


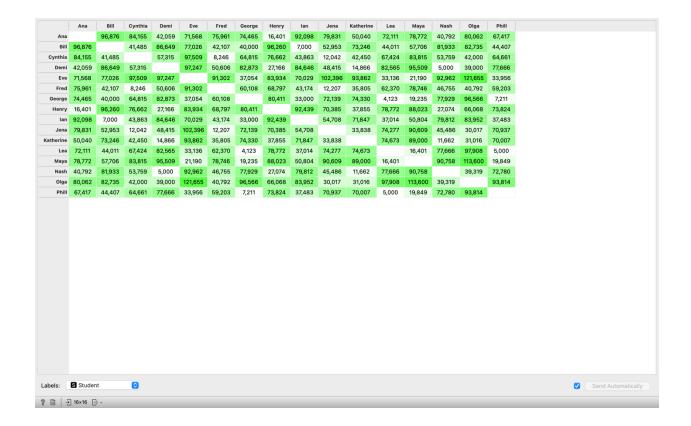






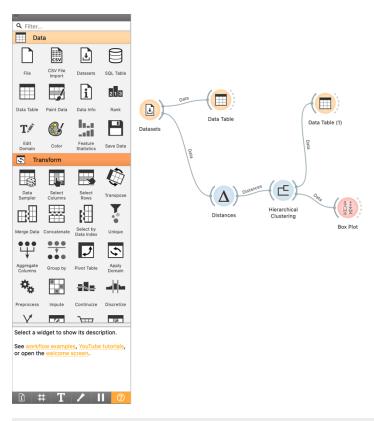


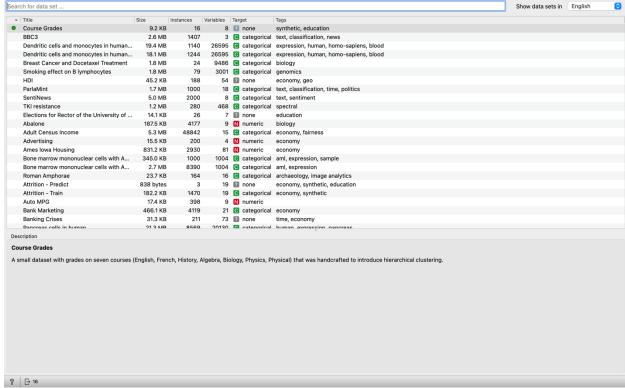


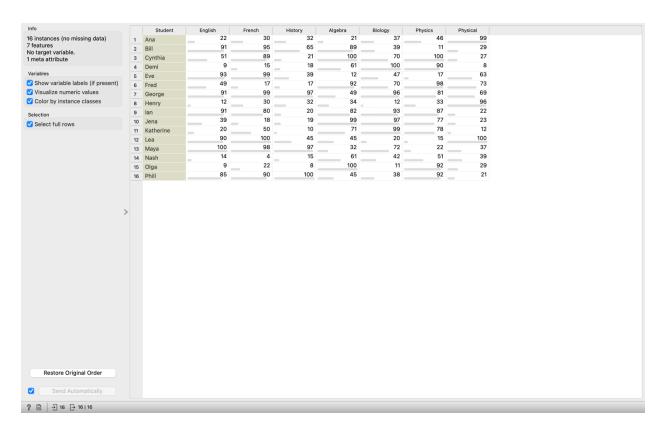


## **Hierarchical Clusetering using ODM**

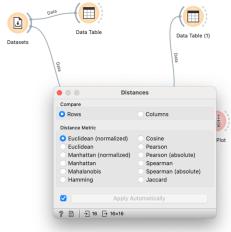
metode *Hierarchical Clustering* dengan ODM. Dalam metode ini, data diorganisasikan dalam struktur hierarki berupa dendrogram. Gambar mungkin mencerminkan proses penggabungan atau pemisahan data secara bertahap berdasarkan kesamaan mereka.

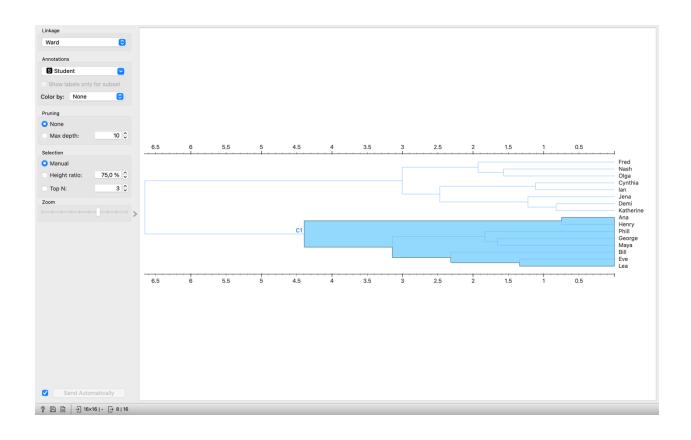


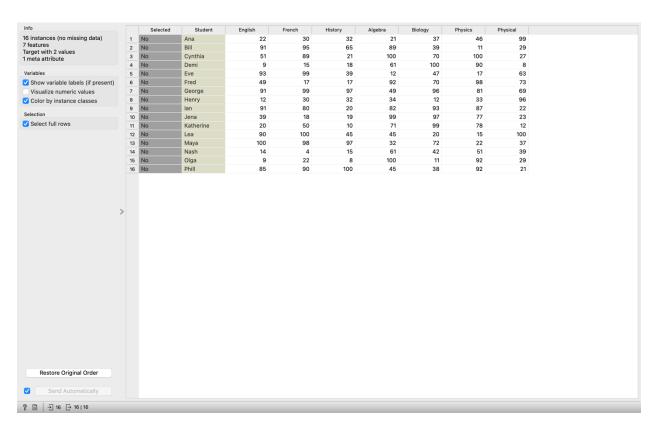


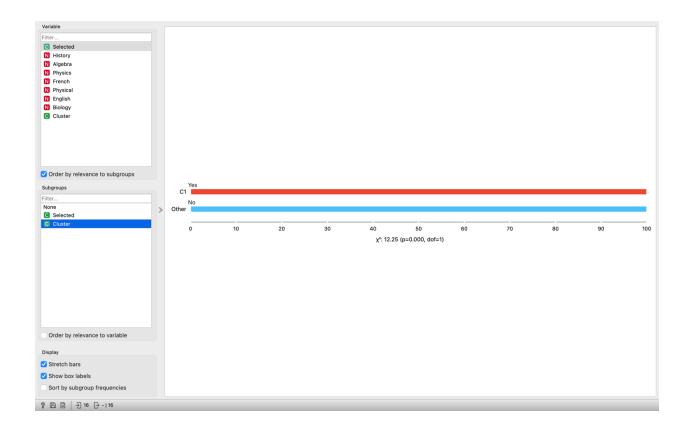






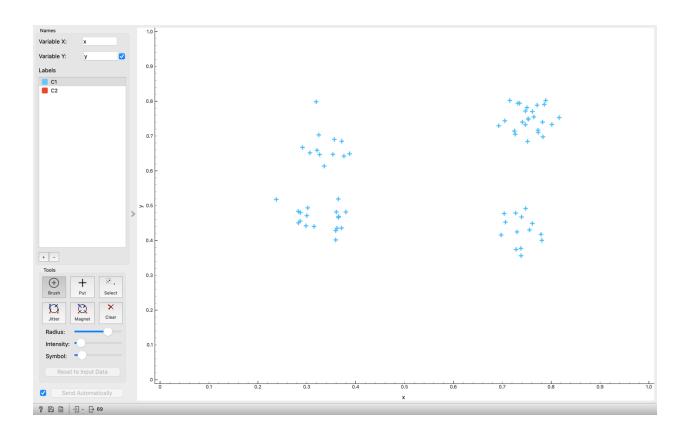




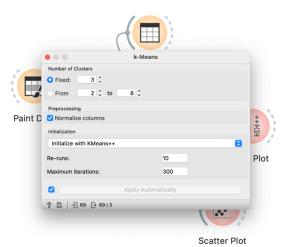


## K-Means Clustering using ODM

*K-Means Clustering* yang dilakukan menggunakan ODM. Metode ini membagi data ke dalam kkk cluster berdasarkan jarak centroid cluster. Gambar biasanya berupa visualisasi cluster dengan titik-titik data yang dikelompokkan di sekitar centroid.







Info		Cluster	Silhouette	x	У
69 instances (no missing data)	1	C3	0.666216	0.364605	0.466357
2 features No target variable.	2	C3	0.647629	0.359366	0.428411
	3	C3	0.675806	0.282824	0.450486
2 meta attributes	4	C3	0.666802	0.365526	0.468965
Variables	5	C3	0.682697	0.300349	0.471344
✓ Show variable labels (if present)		C3	0.668385	0.314999	0.440188
	7	C3		0.286761	0.440188
Visualize numeric values			0.685062		
✓ Color by instance classes	8	C3	0.651157	0.361847	0.435123
Selection	9	C3	0.686463	0.301873	0.493519
		C3	0.671182	0.298494	0.441738
Select full rows		C3	0.675415	0.364337	0.519233
	12	C3	0.66316	0.380007	0.481683
	13	C3	0.6782	0.335684	0.613673
	14	C3	0.66077	0.291232	0.667493
	15	C3	0.655093	0.376122	0.642196
	16	C3	0.6679	0.306235	0.65195
	17	C3	0.662641	0.320973	0.65905
	18	C3	0.667848	0.326535	0.646819
	19	C3	0.547176	0.319153	0.7985
		C3	0.630258	0.324462	0.7036
>		C3	0.630184	0.35641	0.690119
ŕ		C2	0.726273	0.729812	0.424786
		C2	0.715397	0.729812	0.424788
		C2	0.726355	0.755887	0.429924
		C2	0.721083	0.78072	0.40008
		C2	0.717576	0.739435	0.467464
		C2	0.70867	0.738225	0.356159
		C2	0.72293	0.779085	0.417573
	29	C2	0.699993	0.747612	0.491548
	30	C1	0.729451	0.747119	0.77146
	31	C1	0.718806	0.715373	0.802281
	32		0.727235	0.747222	0.732483
	33		0.727904	0.750578	0.781873
		C1	0.698522	0.751704	0.684872
	35		0.720799	0.772805	0.71696
	36		0.715027	0.692796	0.729474
	36		0.71994	0.092796	0.802025
Restore Original Order					
	38		0.72973	0.761619	0.770271
	39		0.721061	0.801488	0.732867
	40		0.720153	0.816343	0.753276
Send Automatically	41		0.728544	0.740878	0.740254
		C1	0.730571	0.753509	0.748916

