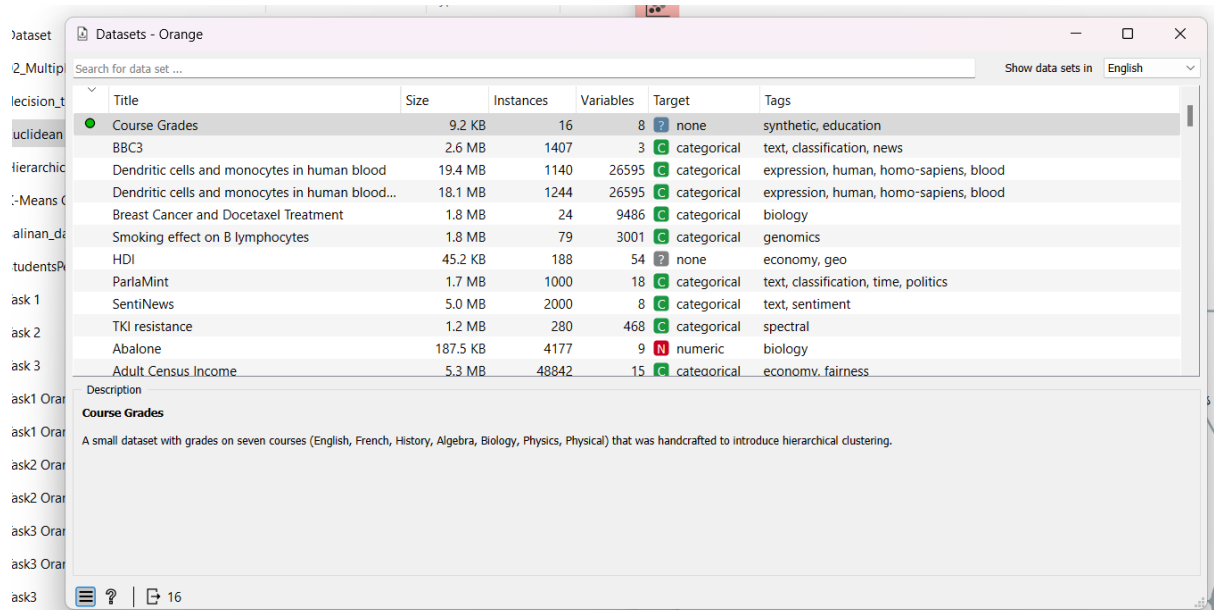


Task 6 K-Means Clustering using ODM

Andreas hasiholan Sinaga

1103213033



Title	Size	Instances	Variables	Target	Tags
Course Grades	9.2 KB	16	8	none	synthetic, education
BBC3	2.6 MB	1407	3	categorical	text, classification, news
Dendritic cells and monocytes in human blood	19.4 MB	1140	26595	categorical	expression, human, homo-sapiens, blood
Dendritic cells and monocytes in human blood...	18.1 MB	1244	26595	categorical	expression, human, homo-sapiens, blood
Breast Cancer and Docetaxel Treatment	1.8 MB	24	9486	categorical	biology
Smoking effect on B lymphocytes	1.8 MB	79	3001	categorical	genomics
HDI	45.2 KB	188	54	none	economy, geo
ParlaMint	1.7 MB	1000	18	categorical	text, classification, time, politics
SentiNews	5.0 MB	2000	8	categorical	text, sentiment
TKI resistance	1.2 MB	280	468	categorical	spectral
Abalone	187.5 KB	4177	9	numeric	biology
Adult Census Income	5.3 MB	48842	15	categorical	economy, fairness

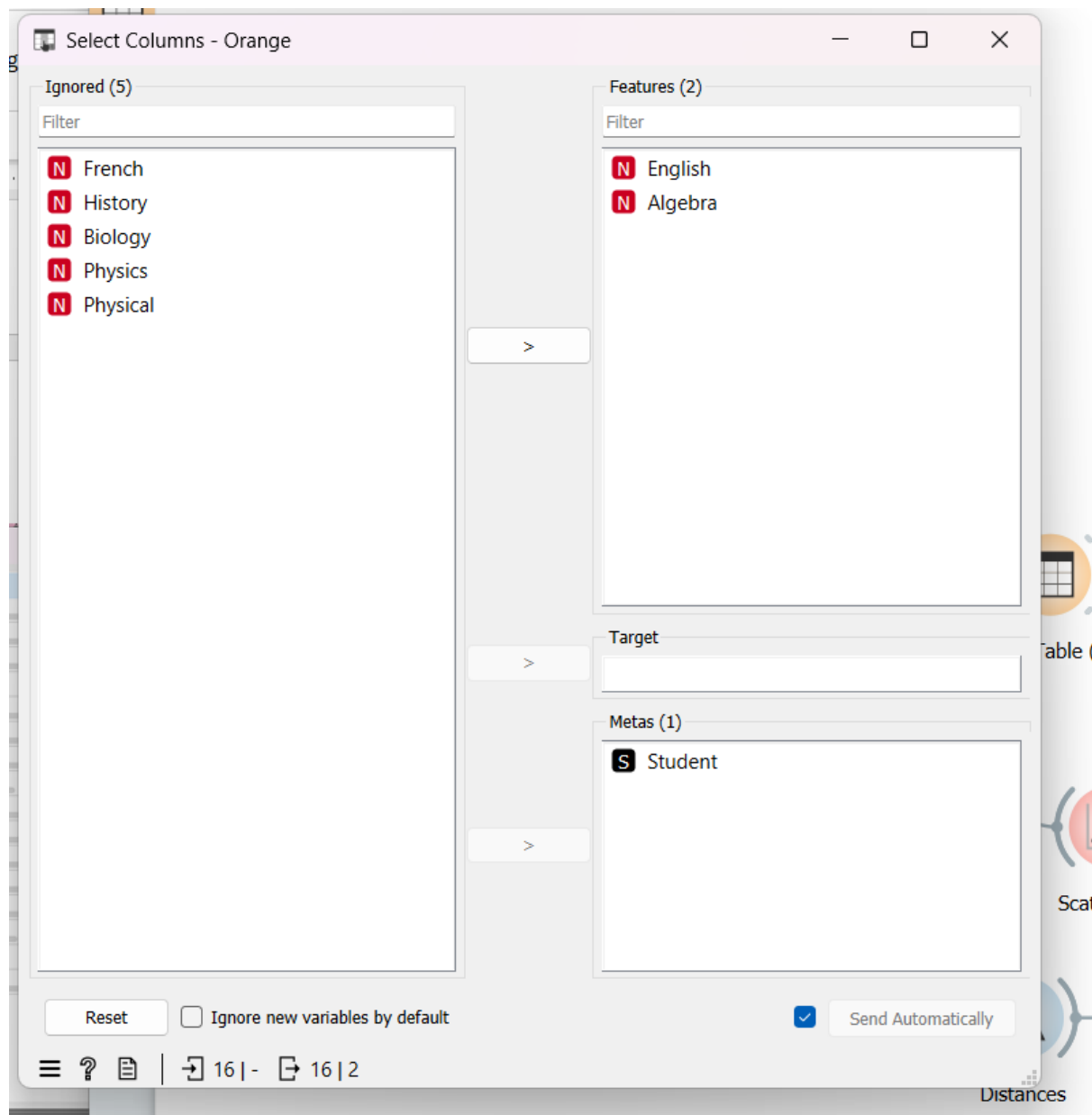
Description

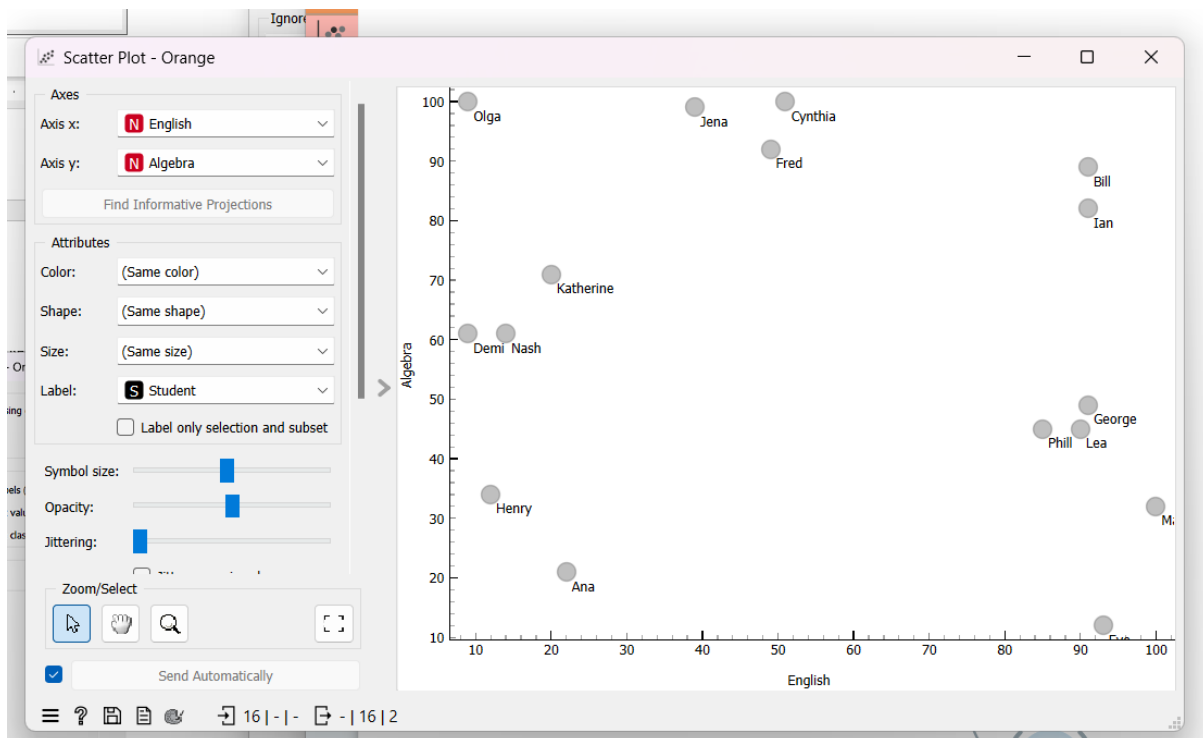
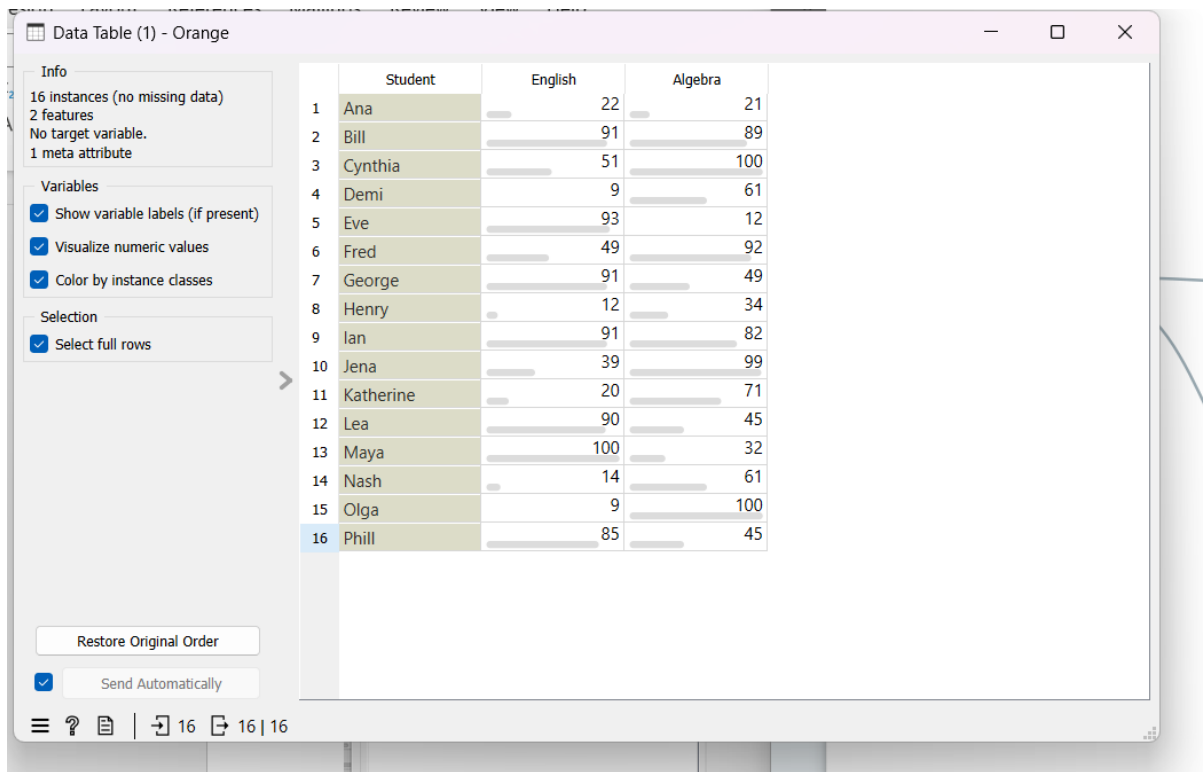
Course Grades

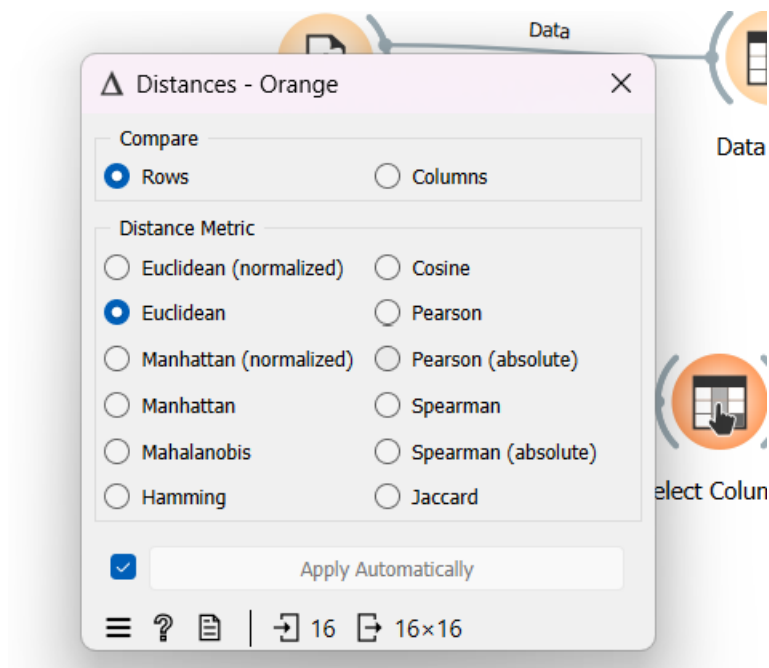
A small dataset with grades on seven courses (English, French, History, Algebra, Biology, Physics, Physical) that was handcrafted to introduce hierarchical clustering.

Dataset menggunakan Course grades

Data Table - Orange						
Info						
16 instances (no missing data)						
7 features						
No target variable.						
1 meta attribute						
Variables						
<input checked="" type="checkbox"/> Show variable labels (if present)						
<input checked="" type="checkbox"/> Visualize numeric values						
<input checked="" type="checkbox"/> Color by instance classes						
Selection						
<input checked="" type="checkbox"/> Select full rows						
Restore Original Order						
<input checked="" type="checkbox"/> Send Automatically						
Student	English	French	History	Algebra	Biology	
1 Ana	22	30	32	21		
2 Bill	91	95	65	89		
3 Cynthia	51	89	21	100		
4 Demi	9	15	18	61		
5 Eve	93	99	39	12		
6 Fred	49	17	17	92		
7 George	91	99	97	49		
8 Henry	12	30	32	34		
9 Ian	91	80	20	82		
10 Jena	39	18	19	99		
11 Katherine	20	50	10	71		
12 Lea	90	100	45	45		
13 Maya	100	98	97	32		
14 Nash	14	4	15	61		
15 Olga	9	22	8	100		
16 Phill	85	90	100	45		







Distances menggunakan Educlidean yang tidak normalized

Distance Matrix - Orange

	Ana	Bill	Cynthia	Demi	Eve	Fred	George	Henry	Ian	Jena	Katherine	Lea	Maya	Nash	Olga	Phill
Ana		96,876	84,155	42,059	71,568	75,961	74,465	16,401	92,098	79,831	50,040	72,111	78,772	40,792	80,062	67,417
Bill	96,876		41,485	86,649	77,026	42,107	40,000	96,260	7,000	52,953	73,246	44,011	57,706	81,933	82,735	44,407
Cynthia	84,155	41,485		57,315	97,509	8,246	64,815	76,662	43,863	12,042	42,450	67,424	83,815	53,759	42,000	64,661
Demi	42,059	86,649	57,315		97,247	50,606	82,873	27,166	84,646	48,415	14,866	82,565	95,509	5,000	39,000	77,666
Eve	71,568	77,026	97,509	97,247		91,302	37,054	83,934	70,029	102,396	93,862	33,136	21,190	92,962	121,655	33,956
Fred	75,961	42,107	8,246	50,606	91,302		60,108	68,797	43,174	12,207	35,805	62,370	78,746	46,755	40,792	59,203
George	74,465	40,000	64,815	82,873	37,054	60,108		80,411	33,000	72,139	74,330	4,123	19,235	77,929	96,566	7,211
Henry	16,401	96,260	76,662	27,166	83,934	68,797	80,411		92,439	70,385	37,855	78,772	88,023	27,074	66,068	73,824
Ian	92,098	7,000	43,863	84,646	70,029	43,174	33,000	92,439		54,708	71,847	37,014	50,804	79,812	83,952	37,483
Jena	79,831	52,953	12,042	48,415	102,396	12,207	72,139	70,385	54,708		33,838	74,277	90,609	45,486	30,017	70,937
Katherine	50,040	73,246	42,450	14,866	93,862	35,805	74,330	37,855	71,847	33,838		74,673	89,000	11,662	31,016	70,007
Lea	72,111	44,011	67,424	82,565	33,136	62,370	4,123	78,772	37,014	74,277	74,673		16,401	77,666	97,908	5,000
Maya	78,772	57,706	83,815	95,509	21,190	78,746	19,235	88,023	50,804	90,609	89,000	16,401		90,758	113,600	19,849
Nash	40,792	81,933	53,759	5,000	92,962	46,755	77,929	27,074	79,812	45,486	11,662	77,666	90,758		39,319	72,780
Olga	80,062	82,735	42,000	39,000	121,655	40,792	96,566	66,068	83,952	30,017	31,016	97,908	113,600	39,319		93,814
Phill	67,417	44,407	64,661	77,666	33,956	59,203	7,211	73,824	37,483	70,937	70,007	5,000	19,849	72,780	93,814	

Labels: Send Automatically

16x16