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ROLL NO.: B -34

BATCH: B2

## DWDM Practical 6

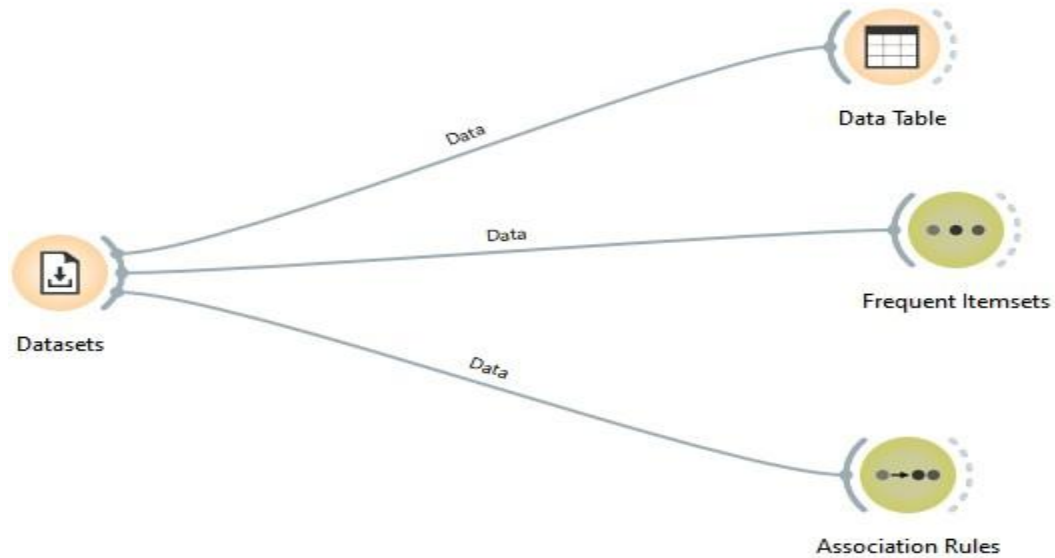
DATASET :-

Datasets - Orange						
Search for data set ...						
Show data sets						
Title	Size	Instances	Variables	Target	Tags	
Foodmart 2000	4.0 MB	62560	126	none	economy, associate, basket	
BBC3	2.6 MB	1407	3	categorical	text, classification, news	
Breast Cancer and Docetaxel Treatment	1.8 MB	24	9486	categorical	biology	
Smoking effect on B lymphocytes	1.8 MB	79	3001	categorical	genomics	
Chronic Lymphocytic Leukemia Peripheral BL...	5.3 MB	52	16468	categorical	gene expression, medicine	
HDI	45.2 KB	188	54	none	economy, geo	
ParlaMint	1.7 MB	1000	18	categorical	text, classification, time, politic	
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	
Advertising	15.5 KB	200	4	numeric	economy	

DATA TABLE :-

Data Table - Orange	
<div>Info</div> <div>62560 instances (no missing data)</div> <div>126 features (sparse, density 100.00 %)</div> <div>No target variable.</div> <div>No meta attributes.</div> <div>Variables</div> <div><input checked="" type="checkbox"/> Show variable labels (if present)</div> <div><input type="checkbox"/> Visualize numeric values</div> <div><input checked="" type="checkbox"/> Color by instance classes</div> <div>Selection</div> <div><input checked="" type="checkbox"/> Select full rows</div>	<div>{...}</div> <div>1 Pasta=3, Soup=2, STORE_ID_2=1</div> <div>2 Soup=1, STORE_ID_2=1, Fresh Vegetables=3, Milk=3, Plastic Utensils=2</div> <div>3 STORE_ID_2=1, Cheese=2, Deodorizers=1, Hard Candy=2, Jam=2</div> <div>4 STORE_ID_2=1, Fresh Vegetables=2</div> <div>5 STORE_ID_2=1, Cleaners=1, Cookies=2, Eggs=2, Preserves=1</div> <div>6 Soup=1, STORE_ID_2=1, Cheese=2, Nasal Sprays=2</div> <div>7 STORE_ID_2=1, Dips=1, Jelly=3, Tofu=1</div> <div>8 STORE_ID_2=1, Cookies=2, Preserves=1, Dips=1</div> <div>9 STORE_ID_2=1, Fresh Vegetables=1, Cleaners=2, Cereal=2, Deli Meats=2, Rice=1</div> <div>10 Soup=1, STORE_ID_2=1, Jelly=1, Flavored Drinks=1, French Fries=2, Spices=1</div> <div>11 STORE_ID_2=1, Beer=2, Hot Dogs=2, Personal Hygiene=2</div> <div>12 STORE_ID_2=1, Fresh Vegetables=2, Cookies=2, Eggs=3, Bologna=2, Cooking Oil=2, Donuts=1</div> <div>13 STORE_ID_2=1, Cookies=1, Fresh Fruit=2, Peanut Butter=1, Sliced Bread=2</div> <div>14 STORE_ID_2=1, Fresh Vegetables=2, Dried Fruit=1, Paper Wipes=2, Sauces=1</div> <div>15 Soup=2, STORE_ID_2=1, Milk=1, Fresh Fruit=1, Chocolate Candy=1, Cottage Cheese=2, Waffles=1</div> <div>16 STORE_ID_2=1, Nasal Sprays=2, Dips=2, Personal Hygiene=2, Sliced Bread=1, Chips=2, Soda=2</div> <div>17 STORE_ID_2=1, Fresh Vegetables=1, Peanut Butter=1, Sauces=1, Canned Vegetables=3, Juice=4, Po...</div>

## WORK FLOW :-



\*\*\* Frequent Itemsets - Orange

**Info**

Number of itemsets: 41  
 Selected itemsets: 0  
 Selected examples: 0

**Find itemsets**

Minimal support:  5%  
 Max. number of itemsets:  10000

☒ Find Itemsets

**Filter itemsets**

Contains:

Min. items:  Max. items:

☒ Apply these filters in search

Itemsets	Support	%
✓ Fresh Vegetables	17684	28.27
Fresh Fruit	3141	5.021
Fresh Fruit	10926	17.46
Soup	7447	11.9
Cheese	7354	11.76
Dried Fruit	7304	11.68
Cookies	6571	10.5
STORE_ID_13	6197	9.906
STORE_ID_17	5596	8.945
Wine	5019	8.023
Paper Wipes	4944	7.903
Canned Vegetables	4879	7.799
Frozen Vegetables	4276	6.835
Chocolate Candy	4189	6.696
Nuts	4188	6.694
Milk	4134	6.608
STORE_ID_15	4099	6.552
Preserves	4098	6.551
STORE_ID_11	4074	6.512
Chips	4050	6.474
Eggs	3991	6.379
STORE_ID_7	3956	6.324
STORE_ID_16	3923	6.271
STORE_ID_3	3921	6.268
STORE_ID_24	3903	6.239
Lightbulbs	3520	5.627
Sliced Bread	3498	5.591
STORE_ID_6	3494	5.585
Muffins	3441	5.5
Dips	3414	5.457
Waffles	3405	5.443
Cooking Oil	3379	5.401
Pizza	3376	5.396
Cereal	3373	5.392
Personal Hygiene	3370	5.387
Juice	3365	5.379
Deli Meats	3351	5.356
Batteries	3339	5.337
Coffee	3317	5.302
Popsicles	3303	5.28
Soda	3290	5.259

## ASSOCIATE RULE :-

Info

Rules: 10 (shown 10)

Find association rules

Min. supp.:

2 %

Min. conf.:

20 %

Max. rules:

10k

☐ Induce only classification rules

☒ Restrict search by below filters

Find Rules

Filter by Antecedent

Contains:

Items, min: 1 max: 999

Filter by Consequent

Contains:

Items, min: 1 max: 999

Supp	Conf	Covr	Strg	Lift	Levr	Antecedent		
0.050	0.287	0.175	1.619	1.017	0.001	Fresh Fruit	→	Fresh Vegetables
0.035	0.293	0.119	2.375	1.035	0.001	Soup	→	Fresh Vegetables
0.031	0.262	0.118	2.405	0.926	-0.002	Cheese	→	Fresh Vegetables
0.035	0.299	0.117	2.421	1.059	0.002	Dried Fruit	→	Fresh Vegetables
0.027	0.260	0.105	2.691	0.921	-0.002	Cookies	→	Fresh Vegetables
0.028	0.279	0.099	2.854	0.987	-0.000	STORE_ID_13	→	Fresh Vegetables
0.025	0.278	0.089	3.160	0.982	-0.000	STORE_ID_17	→	Fresh Vegetables
0.020	0.253	0.080	3.523	0.894	-0.002	Wine	→	Fresh Vegetables
0.022	0.284	0.079	3.577	1.004	0.000	Paper Wipes	→	Fresh Vegetables
0.022	0.278	0.078	3.625	0.985	-0.000	Canned Vegetables	→	Fresh Vegetables