

Lab 5: Clustering

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1 Results

file	min_sup	min_conf
1000/1000-out1.csv	0.01	0.9
size	itemset	support
1	0.084	(Cake+Chocolate)
1	0.085	(Cake+Lemon)
1	0.072	(Cake+Casino)
1	0.078	(Cake+Opera)
1	0.091	(Cake+Strawberry)
1	0.103	(Cake+Truffle)
1	0.034	(Eclair+Chocolate)
1	0.093	(Eclair+Coffee)
1	0.037	(Eclair+Vanilla)
1	0.09	(Cake+Napoleon)
1	0.041	(Tart+Almond)
1	0.068	(Pie+Apple)
1	0.079	(Tart+Apple)
1	0.056	(Tart+Apricot)
1	0.095	(Tart+Berry)
1	0.073	(Tart+Blackberry)
1	0.081	(Tart+Blueberry)
1	0.051	(Tart+Chocolate)
1	0.084	(Tart+Cherry)
1	0.076	(Tart+Lemon)
1	0.04	(Tart+Pecan)
1	0.044	(Cookie+Ganache)
1	0.108	(Cookie+Gongolais)
1	0.082	(Cookie+Raspberry)
1	0.066	(Cookie+Lemon)
1	0.038	(Meringue+Chocolate)
1	0.047	(Meringue+Vanilla)
1	0.09	(Cookie+Marzipan)
1	0.102	(Cookie+Tuile)
1	0.061	(Cookie+Walnut)

file	min_sup	min_conf
1000/1000-out1.csv	0.01	0.9
size	itemset	support
1	0.049	(Croissant+Almond)
1	0.091	(Croissant+Apple)
1	0.076	(Croissant+Apricot)
1	0.078	(Croissant+Cheese)
1	0.042	(Croissant+Chocolate)
1	0.075	(Danish+Apricot)
1	0.084	(Danish+Apple)
1	0.065	(Twist+Almond)
1	0.026	(Bear Claw+Almond)
1	0.055	(Danish+Blueberry)
1	0.066	(Lemonade+Lemon)
1	0.072	(Lemonade+Raspberry)
1	0.082	(Juice+Orange)
1	0.062	(Tea+Green)
1	0.077	(Water+Bottled)
1	0.094	(Coffee+Hot)
1	0.085	(Coffee+Chocolate)
1	0.074	(Frappuccino+Vanilla)
1	0.077	(Soda+Cherry)
1	0.059	(Espresso+Single)
2	0.04	(Cake+Chocolate)-(Cake+Casino)
2	0.047	(Cake+Chocolate)-(Coffee+Chocolate)
2	0.04	(Cake+Lemon)-(Tart+Lemon)
2	0.039	(Cake+Casino)-(Coffee+Chocolate)
2	0.041	(Tart+Cherry)-(Cake+Opera)
2	0.039	(Danish+Apricot)-(Cake+Opera)
2	0.049	(Cake+Napoleon)-(Cake+Strawberry)
2	0.013	(Cake+Truffle)-(Tart+Berry)
2	0.058	(Cake+Truffle)-(Cookie+Gongolais)
2	0.01	(Cake+Truffle)-(Croissant+Apple)
2	0.01	(Juice+Orange)-(Cake+Truffle)
2	0.033	(Pie+Apple)-(Eclair+Coffee)
2	0.031	(Tart+Blackberry)-(Eclair+Coffee)
2	0.03	(Twist+Almond)-(Eclair+Coffee)
2	0.026	(Coffee+Hot)-(Eclair+Coffee)
2	0.024	(Espresso+Single)-(Eclair+Coffee)
2	0.01	(Cake+Napoleon)-(Tart+Apricot)
2	0.01	(Cake+Napoleon)-(Coffee+Hot)
2	0.029	(Pie+Apple)-(Twist+Almond)
2	0.029	(Pie+Apple)-(Coffee+Hot)
2	0.044	(Tart+Apple)-(Croissant+Apple)
2	0.041	(Tart+Apple)-(Danish+Apple)
2	0.036	(Soda+Cherry)-(Tart+Apple)
2	0.012	(Tart+Berry)-(Cookie+Gongolais)
2	0.034	(Water+Bottled)-(Tart+Berry)

file	min_sup	min_conf
1000/1000-out1.csv	0.01	0.9
size	itemset	support
2	0.024	(Espresso+Single)-(Tart+Blackberry)
2	0.04	(Tart+Blueberry)-(Croissant+Apricot)
2	0.033	(Tart+Blueberry)-(Coffee+Hot)
2	0.018	(Tart+Chocolate)-(Cookie+Walnut)
2	0.026	(Tart+Chocolate)-(Frappuccino+Vanilla)
2	0.046	(Tart+Cherry)-(Danish+Apricot)
2	0.033	(Cookie+Lemon)-(Cookie+Raspberry)
2	0.01	(Croissant+Cheese)-(Cookie+Raspberry)
2	0.031	(Lemonade+Lemon)-(Cookie+Raspberry)
2	0.029	(Lemonade+Raspberry)-(Cookie+Raspberry)
2	0.011	(Juice+Orange)-(Cookie+Raspberry)
2	0.02	(Tea+Green)-(Cookie+Raspberry)
2	0.031	(Cookie+Lemon)-(Lemonade+Lemon)
2	0.03	(Cookie+Lemon)-(Lemonade+Raspberry)
2	0.02	(Cookie+Lemon)-(Tea+Green)
2	0.053	(Cookie+Marzipan)-(Cookie+Tuile)
2	0.018	(Cookie+Walnut)-(Frappuccino+Vanilla)
2	0.042	(Danish+Apple)-(Croissant+Apple)
2	0.033	(Soda+Cherry)-(Croissant+Apple)
2	0.032	(Croissant+Apricot)-(Coffee+Hot)
2	0.038	(Croissant+Cheese)-(Juice+Orange)
2	0.033	(Soda+Cherry)-(Danish+Apple)
2	0.025	(Coffee+Hot)-(Twist+Almond)
2	0.029	(Lemonade+Lemon)-(Lemonade+Raspberry)
2	0.021	(Lemonade+Lemon)-(Tea+Green)
2	0.023	(Lemonade+Raspberry)-(Tea+Green)
3	0.038	(Cake+Chocolate)-(Cake+Casino)-(Coffee+Chocolate)
3	0.038	(Danish+Apricot)-(Tart+Cherry)-(Cake+Opera)
3	0.027	(Pie+Apple)-(Twist+Almond)-(Eclair+Coffee)
3	0.024	(Pie+Apple)-(Coffee+Hot)-(Eclair+Coffee)
3	0.023	(Espresso+Single)-(Tart+Blackberry)-(Eclair+Coffee)
3	0.024	(Coffee+Hot)-(Twist+Almond)-(Eclair+Coffee)
3	0.024	(Coffee+Hot)-(Pie+Apple)-(Twist+Almond)
3	0.04	(Tart+Apple)-(Danish+Apple)-(Croissant+Apple)
3	0.031	(Soda+Cherry)-(Tart+Apple)-(Croissant+Apple)
3	0.031	(Soda+Cherry)-(Tart+Apple)-(Danish+Apple)
3	0.032	(Tart+Blueberry)-(Croissant+Apricot)-(Coffee+Hot)
3	0.018	(Tart+Chocolate)-(Cookie+Walnut)-(Frappuccino+Vanilla)
3	0.028	(Cookie+Lemon)-(Lemonade+Lemon)-(Cookie+Raspberry)
3	0.029	(Cookie+Lemon)-(Lemonade+Raspberry)-(Cookie+Raspberry)
3	0.019	(Cookie+Lemon)-(Tea+Green)-(Cookie+Raspberry)
3	0.028	(Lemonade+Lemon)-(Lemonade+Raspberry)-(Cookie+Raspberry)
3	0.019	(Lemonade+Lemon)-(Tea+Green)-(Cookie+Raspberry)
3	0.019	(Lemonade+Raspberry)-(Tea+Green)-(Cookie+Raspberry)
3	0.028	(Cookie+Lemon)-(Lemonade+Raspberry)-(Lemonade+Lemon)

file	min_sup	min_conf
1000/1000-out1.csv	0.01	0.9
size	itemset	support
3	0.019	(Cookie+Lemon)-(Lemonade+Lemon)-(Tea+Green)
3	0.019	(Cookie+Lemon)-(Lemonade+Raspberry)-(Tea+Green)
3	0.031	(Soda+Cherry)-(Danish+Apple)-(Croissant+Apple)
3	0.019	(Lemonade+Lemon)-(Lemonade+Raspberry)-(Tea+Green)
4	0.024	(Twist+Almond)-(Eclair+Coffee)-(Pie+Apple)-(Coffee+Hot)
4	0.031	(Soda+Cherry)-(Danish+Apple)-(Tart+Apple)-(Croissant+Apple)
4	0.028	(Cookie+Raspberry)-(Cookie+Lemon)-(Lemonade+Raspberry)-(Lemonade+Lemon)
4	0.019	(Cookie+Raspberry)-(Cookie+Lemon)-(Lemonade+Lemon)-(Tea+Green)
4	0.019	(Cookie+Raspberry)-(Cookie+Lemon)-(Lemonade+Raspberry)-(Tea+Green)
4	0.019	(Cookie+Raspberry)-(Lemonade+Lemon)-(Lemonade+Raspberry)-(Tea+Green)
4	0.019	(Cookie+Lemon)-(Lemonade+Raspberry)-(Lemonade+Lemon)-(Tea+Green)
5	0.019	(Lemonade+Lemon)-(Lemonade+Raspberry)-(Tea+Green)-(Cookie+Raspberry)

file	min_sup	min_conf
1000/1000-out1.csv	0.01	0.9
support	confidence	antecedent
0.038	0.974	(Cake+Opera)-(Danish+Apricot)
0.024	0.923	(Coffee+Hot)-(Eclair+Coffee)
0.019	1.000	(Cookie+Lemon)-(Lemonade+Raspberry)-(Tea+Green)-(Cookie+Raspberry)
0.028	0.933	(Cookie+Lemon)-(Lemonade+Raspberry)
0.024	0.923	(Coffee+Hot)-(Eclair+Coffee)
0.019	0.306	(Tea+Green)
0.028	1.000	(Lemonade+Lemon)-(Lemonade+Raspberry)-(Cookie+Raspberry)
0.028	1.000	(Cookie+Lemon)-(Lemonade+Lemon)-(Cookie+Raspberry)
0.028	0.341	(Cookie+Raspberry)
0.038	0.974	(Cake+Casino)-(Coffee+Chocolate)
0.031	1.000	(Soda+Cherry)-(Danish+Apple)-(Croissant+Apple)
0.019	0.905	(Lemonade+Lemon)-(Tea+Green)
0.040	0.506	(Tart+Apple)
0.028	0.389	(Lemonade+Raspberry)
0.019	0.950	(Tea+Green)-(Cookie+Raspberry)
0.019	1.000	(Lemonade+Raspberry)-(Tea+Green)-(Cookie+Raspberry)
0.028	0.903	(Cookie+Lemon)-(Lemonade+Lemon)
0.031	0.939	(Soda+Cherry)-(Danish+Apple)
0.024	0.255	(Coffee+Hot)
0.027	0.900	(Twist+Almond)-(Eclair+Coffee)
0.019	0.950	(Cookie+Lemon)-(Tea+Green)
0.019	1.000	(Cookie+Lemon)-(Tea+Green)-(Cookie+Raspberry)
0.032	0.340	(Coffee+Hot)
0.019	1.000	(Lemonade+Lemon)-(Lemonade+Raspberry)-(Tea+Green)
0.019	0.826	(Lemonade+Raspberry)-(Tea+Green)
0.038	0.528	(Cake+Casino)
0.028	0.903	(Lemonade+Lemon)-(Cookie+Raspberry)
0.028	0.966	(Lemonade+Lemon)-(Lemonade+Raspberry)

file	min_sup	min_conf
1000/1000-out1.csv	0.01	0.9
support	confidence	antecedent
0.028	0.966	(Lemonade+Raspberry)-(Cookie+Raspberry)
0.019	0.306	(Tea+Green)
0.031	0.403	(Soda+Cherry)
0.027	0.415	(Twist+Almond)
0.019	1.000	(Lemonade+Raspberry)-(Tea+Green)-(Cookie+Raspberry)
0.019	1.000	(Lemonade+Lemon)-(Lemonade+Raspberry)-(Tea+Green)
0.018	1.000	(Tart+Chocolate)-(Cookie+Walnut)
0.024	1.000	(Pie+Apple)-(Coffee+Hot)-(Eclair+Coffee)
0.019	1.000	(Lemonade+Lemon)-(Cookie+Lemon)-(Tea+Green)-(Cookie+Raspberry)
0.028	0.389	(Lemonade+Raspberry)
0.019	0.306	(Tea+Green)
0.019	1.000	(Cookie+Lemon)-(Lemonade+Lemon)-(Tea+Green)
0.024	0.255	(Coffee+Hot)
0.031	0.939	(Soda+Cherry)-(Croissant+Apple)
0.029	1.000	(Lemonade+Raspberry)-(Cookie+Raspberry)
0.028	0.341	(Cookie+Raspberry)
0.024	0.960	(Coffee+Hot)-(Twist+Almond)
0.018	0.295	(Cookie+Walnut)
0.040	0.909	(Tart+Apple)-(Croissant+Apple)
0.019	0.306	(Tea+Green)
0.038	0.950	(Cake+Chocolate)-(Cake+Casino)
0.028	0.848	(Cookie+Lemon)-(Cookie+Raspberry)
0.028	0.424	(Lemonade+Lemon)
0.023	0.958	(Espresso+Single)-(Tart+Blackberry)
0.032	0.970	(Tart+Blueberry)-(Coffee+Hot)
0.024	0.960	(Twist+Almond)-(Coffee+Hot)
0.029	0.403	(Lemonade+Raspberry)
0.019	0.950	(Tea+Green)-(Cookie+Raspberry)
0.019	1.000	(Cookie+Lemon)-(Tea+Green)-(Cookie+Raspberry)
0.031	0.403	(Soda+Cherry)
0.019	1.000	(Cookie+Lemon)-(Lemonade+Lemon)-(Tea+Green)
0.018	1.000	(Cookie+Walnut)-(Frappuccino+Vanilla)
0.019	0.306	(Tea+Green)
0.040	0.976	(Tart+Apple)-(Danish+Apple)
0.019	0.306	(Tea+Green)
0.024	1.000	(Coffee+Hot)-(Pie+Apple)-(Twist+Almond)
0.038	0.487	(Cake+Opera)

file	min_sup	min_conf
5000/5000-out1.csv	0.01	0.9
size	itemset	support
1	0.0798	(Cake+Chocolate)
1	0.085	(Cake+Lemon)
1	0.0746	(Cake+Casino)

file	min_sup	min_conf
5000/5000-out1.csv	0.01	0.9
size	itemset	support
1	0.0836	(Cake+Opera)
1	0.096	(Cake+Strawberry)
1	0.0876	(Cake+Truffle)
1	0.0382	(Eclair+Chocolate)
1	0.1108	(Eclair+Coffee)
1	0.046	(Eclair+Vanilla)
1	0.0818	(Cake+Napoleon)
1	0.0386	(Tart+Almond)
1	0.0782	(Pie+Apple)
1	0.0734	(Tart+Apple)
1	0.0422	(Tart+Apricot)
1	0.0782	(Tart+Berry)
1	0.076	(Tart+Blackberry)
1	0.0852	(Tart+Blueberry)
1	0.0762	(Tart+Chocolate)
1	0.092	(Tart+Cherry)
1	0.0708	(Tart+Lemon)
1	0.0444	(Tart+Pecan)
1	0.0388	(Cookie+Ganache)
1	0.0954	(Cookie+Gongolais)
1	0.064	(Cookie+Raspberry)
1	0.0642	(Cookie+Lemon)
1	0.0452	(Meringue+Chocolate)
1	0.0398	(Meringue+Vanilla)
1	0.0836	(Cookie+Marzipan)
1	0.0998	(Cookie+Tuile)
1	0.0706	(Cookie+Walnut)
1	0.0456	(Croissant+Almond)
1	0.0742	(Croissant+Apple)
1	0.0822	(Croissant+Apricot)
1	0.077	(Croissant+Cheese)
1	0.0432	(Croissant+Chocolate)
1	0.0892	(Danish+Apricot)
1	0.0782	(Danish+Apple)
1	0.0814	(Twist+Almond)
1	0.0428	(Bear Claw+Almond)
1	0.04	(Danish+Blueberry)
1	0.0648	(Lemonade+Lemon)
1	0.0678	(Lemonade+Raspberry)
1	0.0922	(Juice+Orange)
1	0.062	(Tea+Green)
1	0.0772	(Water+Bottled)
1	0.1026	(Coffee+Hot)
1	0.0808	(Coffee+Chocolate)
1	0.0734	(Frappuccino+Vanilla)

file	min_sup	min_conf
5000/5000-out1.csv	0.01	0.9
size	itemset	support
1	0.067	(Soda+Cherry)
1	0.0654	(Espresso+Single)
2	0.0342	(Cake+Chocolate)-(Cake+Casino)
2	0.0394	(Cake+Chocolate)-(Coffee+Chocolate)
2	0.0336	(Cake+Lemon)-(Tart+Lemon)
2	0.0346	(Cake+Casino)-(Coffee+Chocolate)
2	0.0436	(Tart+Cherry)-(Cake+Opera)
2	0.0432	(Danish+Apricot)-(Cake+Opera)
2	0.0422	(Cake+Napoleon)-(Cake+Strawberry)
2	0.0472	(Cake+Truffle)-(Cookie+Gongolais)
2	0.0406	(Pie+Apple)-(Eclair+Coffee)
2	0.0356	(Tart+Blackberry)-(Eclair+Coffee)
2	0.0412	(Twist+Almond)-(Eclair+Coffee)
2	0.0338	(Coffee+Hot)-(Eclair+Coffee)
2	0.0296	(Espresso+Single)-(Eclair+Coffee)
2	0.0394	(Pie+Apple)-(Twist+Almond)
2	0.0336	(Pie+Apple)-(Coffee+Hot)
2	0.0316	(Tart+Apple)-(Croissant+Apple)
2	0.0324	(Tart+Apple)-(Danish+Apple)
2	0.0254	(Soda+Cherry)-(Tart+Apple)
2	0.0366	(Water+Bottled)-(Tart+Berry)
2	0.0314	(Espresso+Single)-(Tart+Blackberry)
2	0.044	(Tart+Blueberry)-(Croissant+Apricot)
2	0.035	(Tart+Blueberry)-(Coffee+Hot)
2	0.0286	(Tart+Chocolate)-(Cookie+Walnut)
2	0.0348	(Tart+Chocolate)-(Frappuccino+Vanilla)
2	0.0512	(Tart+Cherry)-(Danish+Apricot)
2	0.0284	(Cookie+Lemon)-(Cookie+Raspberry)
2	0.0278	(Lemonade+Lemon)-(Cookie+Raspberry)
2	0.0286	(Lemonade+Raspberry)-(Cookie+Raspberry)
2	0.0232	(Tea+Green)-(Cookie+Raspberry)
2	0.028	(Cookie+Lemon)-(Lemonade+Lemon)
2	0.0286	(Cookie+Lemon)-(Lemonade+Raspberry)
2	0.0238	(Cookie+Lemon)-(Tea+Green)
2	0.0496	(Cookie+Marzipan)-(Cookie+Tuile)
2	0.0298	(Cookie+Walnut)-(Frappuccino+Vanilla)
2	0.033	(Danish+Apple)-(Croissant+Apple)
2	0.0252	(Soda+Cherry)-(Croissant+Apple)
2	0.0348	(Croissant+Apricot)-(Coffee+Hot)
2	0.043	(Croissant+Cheese)-(Juice+Orange)
2	0.025	(Soda+Cherry)-(Danish+Apple)
2	0.0336	(Coffee+Hot)-(Twist+Almond)
2	0.028	(Lemonade+Lemon)-(Lemonade+Raspberry)
2	0.023	(Lemonade+Lemon)-(Tea+Green)
2	0.0244	(Lemonade+Raspberry)-(Tea+Green)

file	min_sup	min_conf
5000/5000-out1.csv	0.01	0.9
size	itemset	support
3	0.0312	(Cake+Chocolate)-(Cake+Casino)-(Coffee+Chocolate)
3	0.0408	(Danish+Apricot)-(Tart+Cherry)-(Cake+Opera)
3	0.0382	(Pie+Apple)-(Twist+Almond)-(Eclair+Coffee)
3	0.0308	(Pie+Apple)-(Coffee+Hot)-(Eclair+Coffee)
3	0.0286	(Espresso+Single)-(Tart+Blackberry)-(Eclair+Coffee)
3	0.0308	(Coffee+Hot)-(Twist+Almond)-(Eclair+Coffee)
3	0.0308	(Coffee+Hot)-(Pie+Apple)-(Twist+Almond)
3	0.0298	(Tart+Apple)-(Danish+Apple)-(Croissant+Apple)
3	0.023	(Soda+Cherry)-(Tart+Apple)-(Croissant+Apple)
3	0.0228	(Soda+Cherry)-(Tart+Apple)-(Danish+Apple)
3	0.0328	(Tart+Blueberry)-(Croissant+Apricot)-(Coffee+Hot)
3	0.0266	(Tart+Chocolate)-(Cookie+Walnut)-(Frappuccino+Vanilla)
3	0.0264	(Cookie+Lemon)-(Lemonade+Lemon)-(Cookie+Raspberry)
3	0.0262	(Cookie+Lemon)-(Lemonade+Raspberry)-(Cookie+Raspberry)
3	0.0214	(Cookie+Lemon)-(Tea+Green)-(Cookie+Raspberry)
3	0.0262	(Lemonade+Lemon)-(Lemonade+Raspberry)-(Cookie+Raspberry)
3	0.0212	(Lemonade+Lemon)-(Tea+Green)-(Cookie+Raspberry)
3	0.0212	(Lemonade+Raspberry)-(Tea+Green)-(Cookie+Raspberry)
3	0.0264	(Cookie+Lemon)-(Lemonade+Raspberry)-(Lemonade+Lemon)
3	0.0214	(Cookie+Lemon)-(Lemonade+Lemon)-(Tea+Green)
3	0.0212	(Cookie+Lemon)-(Lemonade+Raspberry)-(Tea+Green)
3	0.023	(Soda+Cherry)-(Danish+Apple)-(Croissant+Apple)
3	0.0212	(Lemonade+Lemon)-(Lemonade+Raspberry)-(Tea+Green)
4	0.0308	(Twist+Almond)-(Eclair+Coffee)-(Pie+Apple)-(Coffee+Hot)
4	0.0228	(Soda+Cherry)-(Danish+Apple)-(Tart+Apple)-(Croissant+Apple)
4	0.0262	(Cookie+Raspberry)-(Cookie+Lemon)-(Lemonade+Raspberry)-(Lemonade+Lemon)
4	0.0212	(Cookie+Raspberry)-(Cookie+Lemon)-(Lemonade+Lemon)-(Tea+Green)
4	0.0212	(Cookie+Raspberry)-(Cookie+Lemon)-(Lemonade+Raspberry)-(Tea+Green)
4	0.0212	(Cookie+Raspberry)-(Lemonade+Lemon)-(Lemonade+Raspberry)-(Tea+Green)
4	0.0212	(Cookie+Lemon)-(Lemonade+Raspberry)-(Lemonade+Lemon)-(Tea+Green)
5	0.0212	(Lemonade+Lemon)-(Lemonade+Raspberry)-(Tea+Green)-(Cookie+Raspberry)

support	confidence	antecedent	consequence
0.041	0.944	(Cake+Opera)-(Danish+Apricot)	(Tart+Cherry)
0.031	0.300	(Coffee+Hot)	(Pie+Apple)
0.031	0.911	(Coffee+Hot)-(Eclair+Coffee)	(Pie+Apple)
0.021	1.000	(Cookie+Lemon)-(Lemonade+Raspberry)-(Tea+Green)-(Cookie+Raspberry)	(Lemonade+Lemon)
0.026	0.923	(Cookie+Lemon)-(Lemonade+Raspberry)	(Lemonade+Lemon)
0.031	0.911	(Coffee+Hot)-(Eclair+Coffee)	(Pie+Apple)
0.026	1.000	(Lemonade+Lemon)-(Lemonade+Raspberry)-(Cookie+Raspberry)	(Cookie+Lemon)
0.026	0.992	(Cookie+Lemon)-(Lemonade+Lemon)-(Cookie+Raspberry)	(Lemonade+Lemon)
0.026	0.409	(Cookie+Raspberry)	(Lemonade+Lemon)
0.026	0.408	(Cookie+Lemon)	(Lemonade+Lemon)
0.031	0.902	(Cake+Casino)-(Coffee+Chocolate)	(Cake+Casino)

support	confidence	antecedent	consequence
0.023	0.991	(Soda+Cherry)-(Danish+Apple)-(Croissant+Apple)	(Tart+Apple)
0.021	0.930	(Lemonade+Lemon)-(Tea+Green)	(Cookie+Raspberry)
0.030	0.406	(Tart+Apple)	(Danish+Apple)
0.026	0.386	(Lemonade+Raspberry)	(Cookie+Raspberry)
0.031	0.300	(Coffee+Hot)	(Pie+Apple)
0.021	0.914	(Tea+Green)-(Cookie+Raspberry)	(Lemonade+Lemon)
0.021	1.000	(Lemonade+Raspberry)-(Tea+Green)-(Cookie+Raspberry)	(Cookie+Raspberry)
0.026	0.943	(Cookie+Lemon)-(Lemonade+Lemon)	(Cookie+Raspberry)
0.023	0.912	(Soda+Cherry)-(Danish+Apple)	(Tart+Apple)
0.031	0.300	(Coffee+Hot)	(Pie+Apple)
0.038	0.927	(Twist+Almond)-(Eclair+Coffee)	(Pie+Apple)
0.026	0.923	(Cookie+Lemon)-(Cookie+Raspberry)	(Lemonade+Lemon)
0.021	0.991	(Cookie+Lemon)-(Tea+Green)-(Cookie+Raspberry)	(Lemonade+Lemon)
0.033	0.320	(Coffee+Hot)	(Tart+Blackberry)
0.021	1.000	(Lemonade+Lemon)-(Lemonade+Raspberry)-(Tea+Green)	(Cookie+Raspberry)
0.021	0.869	(Lemonade+Raspberry)-(Tea+Green)	(Cookie+Raspberry)
0.038	0.345	(Eclair+Coffee)	(Pie+Apple)
0.026	0.936	(Lemonade+Lemon)-(Lemonade+Raspberry)	(Cookie+Raspberry)
0.038	0.488	(Pie+Apple)	(Twist+Almond)
0.031	0.418	(Cake+Casino)	(Cake+Casino)
0.026	0.942	(Lemonade+Lemon)-(Cookie+Raspberry)	(Lemonade+Lemon)
0.026	0.916	(Lemonade+Raspberry)-(Cookie+Raspberry)	(Lemonade+Lemon)
0.021	0.342	(Tea+Green)	(Cookie+Raspberry)
0.023	0.340	(Soda+Cherry)	(Danish+Apple)
0.038	0.469	(Twist+Almond)	(Pie+Apple)
0.021	1.000	(Lemonade+Raspberry)-(Tea+Green)-(Cookie+Raspberry)	(Lemonade+Lemon)
0.021	1.000	(Lemonade+Lemon)-(Lemonade+Raspberry)-(Tea+Green)	(Cookie+Raspberry)
0.027	0.930	(Tart+Chocolate)-(Cookie+Walnut)	(Frappuccino)
0.031	1.000	(Pie+Apple)-(Coffee+Hot)-(Eclair+Coffee)	(Twist+Almond)
0.021	1.000	(Lemonade+Lemon)-(Cookie+Lemon)-(Tea+Green)-(Cookie+Raspberry)	(Lemonade+Lemon)
0.026	0.930	(Cookie+Lemon)-(Cookie+Raspberry)	(Lemonade+Lemon)
0.026	0.389	(Lemonade+Raspberry)	(Cookie+Raspberry)
0.021	0.342	(Tea+Green)	(Lemonade+Lemon)
0.021	0.991	(Cookie+Lemon)-(Lemonade+Lemon)-(Tea+Green)	(Cookie+Raspberry)
0.031	0.300	(Coffee+Hot)	(Twist+Almond)
0.023	0.913	(Soda+Cherry)-(Croissant+Apple)	(Danish+Apple)
0.026	0.916	(Lemonade+Raspberry)-(Cookie+Raspberry)	(Cookie+Raspberry)
0.026	0.409	(Cookie+Raspberry)	(Cookie+Raspberry)
0.031	0.917	(Coffee+Hot)-(Twist+Almond)	(Pie+Apple)
0.030	0.943	(Tart+Apple)-(Croissant+Apple)	(Danish+Apple)
0.021	0.342	(Tea+Green)	(Cookie+Raspberry)
0.031	0.912	(Cake+Chocolate)-(Cake+Casino)	(Coffee+Hot)
0.026	0.923	(Cookie+Lemon)-(Cookie+Raspberry)	(Lemonade+Lemon)
0.026	0.407	(Lemonade+Lemon)	(Cookie+Raspberry)
0.029	0.911	(Espresso+Single)-(Tart+Blackberry)	(Eclair+Coffee)
0.033	0.937	(Tart+Blueberry)-(Coffee+Hot)	(Croissant)
0.031	0.917	(Twist+Almond)-(Coffee+Hot)	(Eclair+Coffee)

support	confidence	antecedent	consequence
0.026	0.386	(Lemonade+Raspberry)	(Cookie+Raspberry)
0.021	0.914	(Tea+Green)-(Cookie+Raspberry)	(Cookie+Raspberry)
0.021	0.991	(Cookie+Lemon)-(Tea+Green)-(Cookie+Raspberry)	(Lemonade+Raspberry)
0.023	0.343	(Soda+Cherry)	(Danish+Cherry)
0.021	0.991	(Cookie+Lemon)-(Lemonade+Lemon)-(Tea+Green)	(Lemonade+Lemon)
0.023	0.343	(Soda+Cherry)	(Tart+Apple)
0.021	0.342	(Tea+Green)	(Lemonade+Lemon)
0.030	0.920	(Tart+Apple)-(Danish+Apple)	(Croissant+Apple)
0.021	0.342	(Tea+Green)	(Lemonade+Lemon)
0.031	1.000	(Coffee+Hot)-(Pie+Apple)-(Twist+Almond)	(Eclair+Chocolate)
0.041	0.488	(Cake+Opera)	(Tart+Chocolate)
0.021	0.869	(Lemonade+Raspberry)-(Tea+Green)	(Cookie+Raspberry)
0.026	0.411	(Cookie+Lemon)	(Lemonade+Lemon)
0.021	0.991	(Cookie+Lemon)-(Tea+Green)-(Cookie+Raspberry)	(Lemonade+Raspberry)
0.026	0.943	(Cookie+Lemon)-(Lemonade+Lemon)	(Lemonade+Lemon)

file	min_sup	min_conf
20000/20000-out1.csv	0.01	0.9
size	itemset	support
1	0.08365	(Cake+Chocolate)
1	0.086	(Cake+Lemon)
1	0.0753	(Cake+Casino)
1	0.08365	(Cake+Opera)
1	0.092	(Cake+Strawberry)
1	0.08465	(Cake+Truffle)
1	0.0426	(Eclair+Chocolate)
1	0.10985	(Eclair+Coffee)
1	0.0427	(Eclair+Vanilla)
1	0.0845	(Cake+Napoleon)
1	0.04055	(Tart+Almond)
1	0.07415	(Pie+Apple)
1	0.06925	(Tart+Apple)
1	0.04275	(Tart+Apricot)
1	0.0843	(Tart+Berry)
1	0.0767	(Tart+Blackberry)
1	0.0839	(Tart+Blueberry)
1	0.07635	(Tart+Chocolate)
1	0.09125	(Tart+Cherry)
1	0.07595	(Tart+Lemon)
1	0.04155	(Tart+Pecan)
1	0.0433	(Cookie+Ganache)
1	0.09185	(Cookie+Gongolais)
1	0.06945	(Cookie+Raspberry)
1	0.06825	(Cookie+Lemon)
1	0.0445	(Meringue+Chocolate)
1	0.0424	(Meringue+Vanilla)

file	min_sup	min_conf
20000/20000-out1.csv	0.01	0.9
size	itemset	support
1	0.08645	(Cookie+Marzipan)
1	0.09865	(Cookie+Tuile)
1	0.0695	(Cookie+Walnut)
1	0.04205	(Croissant+Almond)
1	0.071	(Croissant+Apple)
1	0.0817	(Croissant+Apricot)
1	0.0817	(Croissant+Cheese)
1	0.0446	(Croissant+Chocolate)
1	0.0927	(Danish+Apricot)
1	0.06755	(Danish+Apple)
1	0.07315	(Twist+Almond)
1	0.04425	(Bear Claw+Almond)
1	0.04115	(Danish+Blueberry)
1	0.06655	(Lemonade+Lemon)
1	0.06845	(Lemonade+Raspberry)
1	0.0924	(Juice+Orange)
1	0.06215	(Tea+Green)
1	0.07215	(Water+Bottled)
1	0.1036	(Coffee+Hot)
1	0.08225	(Coffee+Chocolate)
1	0.07675	(Frappuccino+Vanilla)
1	0.0653	(Soda+Cherry)
1	0.0711	(Espresso+Single)
2	0.03585	(Cake+Chocolate)-(Cake+Casino)
2	0.04405	(Cake+Chocolate)-(Coffee+Chocolate)
2	0.037	(Cake+Lemon)-(Tart+Lemon)
2	0.0357	(Cake+Casino)-(Coffee+Chocolate)
2	0.04365	(Tart+Cherry)-(Cake+Opera)
2	0.04335	(Danish+Apricot)-(Cake+Opera)
2	0.04455	(Cake+Napoleon)-(Cake+Strawberry)
2	0.04335	(Cake+Truffle)-(Cookie+Gongolais)
2	0.03725	(Pie+Apple)-(Eclair+Coffee)
2	0.03675	(Tart+Blackberry)-(Eclair+Coffee)
2	0.03625	(Twist+Almond)-(Eclair+Coffee)
2	0.0317	(Coffee+Hot)-(Eclair+Coffee)
2	0.0293	(Espresso+Single)-(Eclair+Coffee)
2	0.03595	(Pie+Apple)-(Twist+Almond)
2	0.03085	(Pie+Apple)-(Coffee+Hot)
2	0.02875	(Tart+Apple)-(Croissant+Apple)
2	0.0281	(Tart+Apple)-(Danish+Apple)
2	0.02305	(Soda+Cherry)-(Tart+Apple)
2	0.0357	(Water+Bottled)-(Tart+Berry)
2	0.03015	(Espresso+Single)-(Tart+Blackberry)
2	0.04185	(Tart+Blueberry)-(Croissant+Apricot)
2	0.0357	(Tart+Blueberry)-(Coffee+Hot)

file	min_sup	min_conf
20000/20000-out1.csv	0.01	0.9
size	itemset	support
2	0.03055	(Tart+Chocolate)-(Cookie+Walnut)
2	0.03675	(Tart+Chocolate)-(Frappuccino+Vanilla)
2	0.05255	(Tart+Cherry)-(Danish+Apricot)
2	0.02845	(Cookie+Lemon)-(Cookie+Raspberry)
2	0.02795	(Lemonade+Lemon)-(Cookie+Raspberry)
2	0.02775	(Lemonade+Raspberry)-(Cookie+Raspberry)
2	0.02265	(Tea+Green)-(Cookie+Raspberry)
2	0.02775	(Cookie+Lemon)-(Lemonade+Lemon)
2	0.0284	(Cookie+Lemon)-(Lemonade+Raspberry)
2	0.0223	(Cookie+Lemon)-(Tea+Green)
2	0.04855	(Cookie+Marzipan)-(Cookie+Tuile)
2	0.03095	(Cookie+Walnut)-(Frappuccino+Vanilla)
2	0.0286	(Danish+Apple)-(Croissant+Apple)
2	0.0241	(Soda+Cherry)-(Croissant+Apple)
2	0.0351	(Croissant+Apricot)-(Coffee+Hot)
2	0.0439	(Croissant+Cheese)-(Juice+Orange)
2	0.02355	(Soda+Cherry)-(Danish+Apple)
2	0.03085	(Coffee+Hot)-(Twist+Almond)
2	0.02685	(Lemonade+Lemon)-(Lemonade+Raspberry)
2	0.02235	(Lemonade+Lemon)-(Tea+Green)
2	0.02235	(Lemonade+Raspberry)-(Tea+Green)
3	0.0339	(Cake+Chocolate)-(Cake+Casino)-(Coffee+Chocolate)
3	0.041	(Danish+Apricot)-(Tart+Cherry)-(Cake+Opera)
3	0.03415	(Pie+Apple)-(Twist+Almond)-(Eclair+Coffee)
3	0.0282	(Pie+Apple)-(Coffee+Hot)-(Eclair+Coffee)
3	0.02695	(Espresso+Single)-(Tart+Blackberry)-(Eclair+Coffee)
3	0.02815	(Coffee+Hot)-(Twist+Almond)-(Eclair+Coffee)
3	0.02825	(Coffee+Hot)-(Pie+Apple)-(Twist+Almond)
3	0.026	(Tart+Apple)-(Danish+Apple)-(Croissant+Apple)
3	0.02115	(Soda+Cherry)-(Tart+Apple)-(Croissant+Apple)
3	0.0211	(Soda+Cherry)-(Tart+Apple)-(Danish+Apple)
3	0.0326	(Tart+Blueberry)-(Croissant+Apricot)-(Coffee+Hot)
3	0.02825	(Tart+Chocolate)-(Cookie+Walnut)-(Frappuccino+Vanilla)
3	0.02555	(Cookie+Lemon)-(Lemonade+Lemon)-(Cookie+Raspberry)
3	0.0256	(Cookie+Lemon)-(Lemonade+Raspberry)-(Cookie+Raspberry)
3	0.02055	(Cookie+Lemon)-(Tea+Green)-(Cookie+Raspberry)
3	0.02565	(Lemonade+Lemon)-(Lemonade+Raspberry)-(Cookie+Raspberry)
3	0.02065	(Lemonade+Lemon)-(Tea+Green)-(Cookie+Raspberry)
3	0.0205	(Lemonade+Raspberry)-(Tea+Green)-(Cookie+Raspberry)
3	0.0256	(Cookie+Lemon)-(Lemonade+Raspberry)-(Lemonade+Lemon)
3	0.02055	(Cookie+Lemon)-(Lemonade+Lemon)-(Tea+Green)
3	0.02055	(Cookie+Lemon)-(Lemonade+Raspberry)-(Tea+Green)
3	0.02125	(Soda+Cherry)-(Danish+Apple)-(Croissant+Apple)
3	0.02055	(Lemonade+Lemon)-(Lemonade+Raspberry)-(Tea+Green)
4	0.0281	(Twist+Almond)-(Eclair+Coffee)-(Pie+Apple)-(Coffee+Hot)

file	min_sup	min_conf
20000/20000-out1.csv	0.01	0.9
size	itemset	support
4	0.021	(Soda+Cherry)-(Danish+Apple)-(Tart+Apple)-(Croissant+Apple)
4	0.02545	(Cookie+Raspberry)-(Cookie+Lemon)-(Lemonade+Raspberry)-(Lemonade+Lemon)-(Tea+Green)
4	0.0204	(Cookie+Raspberry)-(Cookie+Lemon)-(Lemonade+Lemon)-(Tea+Green)
4	0.0204	(Cookie+Raspberry)-(Cookie+Lemon)-(Lemonade+Raspberry)-(Tea+Green)
4	0.02045	(Cookie+Raspberry)-(Lemonade+Lemon)-(Lemonade+Raspberry)-(Tea+Green)
4	0.02045	(Cookie+Lemon)-(Lemonade+Raspberry)-(Lemonade+Lemon)-(Tea+Green)
5	0.0204	(Lemonade+Lemon)-(Lemonade+Raspberry)-(Tea+Green)-(Cookie+Raspberry)

support	confidence	antecedent	consequent
0.041	0.946	(Cake+Opera)-(Danish+Apricot)	(Tart+Cherry)
0.020	1.000	(Cookie+Lemon)-(Lemonade+Raspberry)-(Tea+Green)-(Cookie+Raspberry)	(Lemonade+Lemon)
0.026	0.901	(Cookie+Lemon)-(Lemonade+Raspberry)	(Lemonade+Lemon)
0.028	0.886	(Coffee+Hot)-(Eclair+Coffee)	(Pie+Apple)
0.021	0.331	(Tea+Green)	(Cookie+Raspberry)
0.025	0.992	(Lemonade+Lemon)-(Lemonade+Raspberry)-(Cookie+Raspberry)	(Cookie+Lemon)
0.025	0.996	(Cookie+Lemon)-(Lemonade+Lemon)-(Cookie+Raspberry)	(Lemonade+Lemon)
0.026	0.369	(Cookie+Raspberry)	(Lemonade+Lemon)
0.034	0.950	(Cake+Casino)-(Coffee+Chocolate)	(Cake+Casino)
0.021	0.988	(Soda+Cherry)-(Danish+Apple)-(Croissant+Apple)	(Tart+Apple)
0.021	0.919	(Lemonade+Lemon)-(Tea+Green)	(Cookie+Raspberry)
0.026	0.375	(Tart+Apple)	(Danish+Apricot)
0.025	0.372	(Lemonade+Raspberry)	(Cookie+Lemon)
0.028	0.273	(Coffee+Hot)	(Pie+Apple)
0.020	0.901	(Tea+Green)-(Cookie+Raspberry)	(Lemonade+Lemon)
0.020	0.995	(Lemonade+Raspberry)-(Tea+Green)-(Cookie+Raspberry)	(Cookie+Lemon)
0.026	0.921	(Cookie+Lemon)-(Lemonade+Lemon)	(Cookie+Lemon)
0.028	0.271	(Coffee+Hot)	(Pie+Apple)
0.034	0.942	(Twist+Almond)-(Eclair+Coffee)	(Pie+Apple)
0.021	0.922	(Cookie+Lemon)-(Tea+Green)	(Cookie+Raspberry)
0.020	0.993	(Cookie+Lemon)-(Tea+Green)-(Cookie+Raspberry)	(Lemonade+Lemon)
0.033	0.315	(Coffee+Hot)	(Tart+Apple)
0.020	0.995	(Lemonade+Lemon)-(Lemonade+Raspberry)-(Tea+Green)	(Cookie+Lemon)
0.020	0.913	(Lemonade+Raspberry)-(Tea+Green)	(Cookie+Lemon)
0.034	0.311	(Eclair+Coffee)	(Pie+Apple)
0.034	0.461	(Pie+Apple)	(Twist+Almond)
0.034	0.450	(Cake+Casino)	(Cake+Casino)
0.026	0.918	(Lemonade+Lemon)-(Cookie+Raspberry)	(Lemonade+Lemon)
0.026	0.955	(Lemonade+Lemon)-(Lemonade+Raspberry)	(Cookie+Lemon)
0.026	0.924	(Lemonade+Raspberry)-(Cookie+Raspberry)	(Lemonade+Lemon)
0.020	0.329	(Tea+Green)	(Cookie+Raspberry)
0.021	0.322	(Soda+Cherry)	(Danish+Apricot)
0.034	0.467	(Twist+Almond)	(Pie+Apple)
0.020	0.998	(Lemonade+Raspberry)-(Tea+Green)-(Cookie+Raspberry)	(Lemonade+Lemon)
0.020	0.995	(Lemonade+Lemon)-(Lemonade+Raspberry)-(Tea+Green)	(Cookie+Lemon)

support	confidence	antecedent	consequent
0.028	0.925	(Tart+Chocolate)-(Cookie+Walnut)	(Frappuccino+Vanilla)
0.028	0.996	(Pie+Apple)-(Coffee+Hot)-(Eclair+Coffee)	(Twist+Almond)
0.020	1.000	(Lemonade+Lemon)-(Cookie+Lemon)-(Tea+Green)-(Cookie+Raspberry)	(Lemonade+Lemon)
0.026	0.374	(Lemonade+Raspberry)	(Cookie+Lemon)
0.020	0.329	(Tea+Green)	(Lemonade+Lemon)
0.020	0.993	(Cookie+Lemon)-(Lemonade+Lemon)-(Tea+Green)	(Cookie+Lemon)
0.026	0.923	(Lemonade+Raspberry)-(Cookie+Raspberry)	(Cookie+Lemon)
0.025	0.366	(Cookie+Raspberry)	(Cookie+Lemon)
0.028	0.911	(Coffee+Hot)-(Twist+Almond)	(Pie+Apple)
0.028	0.406	(Cookie+Walnut)	(Tart+Apple)
0.026	0.904	(Tart+Apple)-(Croissant+Apple)	(Danish+Apple)
0.020	0.328	(Tea+Green)	(Cookie+Lemon)
0.034	0.946	(Cake+Chocolate)-(Cake+Casino)	(Coffee+Hot)
0.025	0.895	(Cookie+Lemon)-(Cookie+Raspberry)	(Lemonade+Lemon)
0.026	0.384	(Lemonade+Lemon)	(Cookie+Lemon)
0.033	0.913	(Tart+Blueberry)-(Coffee+Hot)	(Croissant+Apple)
0.028	0.912	(Twist+Almond)-(Coffee+Hot)	(Eclair+Coffee)
0.026	0.374	(Lemonade+Raspberry)	(Cookie+Lemon)
0.020	0.901	(Tea+Green)-(Cookie+Raspberry)	(Cookie+Lemon)
0.020	0.993	(Cookie+Lemon)-(Tea+Green)-(Cookie+Raspberry)	(Lemonade+Lemon)
0.020	0.995	(Cookie+Lemon)-(Lemonade+Lemon)-(Tea+Green)	(Lemonade+Lemon)
0.028	0.913	(Cookie+Walnut)-(Frappuccino+Vanilla)	(Tart+Apple)
0.021	0.332	(Tea+Green)	(Lemonade+Lemon)
0.026	0.925	(Tart+Apple)-(Danish+Apple)	(Croissant+Apple)
0.020	0.328	(Tea+Green)	(Lemonade+Lemon)
0.028	0.995	(Coffee+Hot)-(Pie+Apple)-(Twist+Almond)	(Eclair+Coffee)
0.021	0.917	(Lemonade+Raspberry)-(Tea+Green)	(Cookie+Lemon)
0.041	0.490	(Cake+Opera)	(Tart+Apple)
0.020	0.915	(Lemonade+Raspberry)-(Tea+Green)	(Cookie+Lemon)
0.020	0.993	(Cookie+Lemon)-(Tea+Green)-(Cookie+Raspberry)	(Lemonade+Lemon)
0.026	0.923	(Cookie+Lemon)-(Lemonade+Lemon)	(Lemonade+Lemon)
0.026	0.375	(Cookie+Lemon)	(Lemonade+Lemon)
0.021	0.871	(Soda+Cherry)-(Croissant+Apple)	(Danish+Apple)
0.025	0.917	(Lemonade+Raspberry)-(Cookie+Raspberry)	(Cookie+Lemon)
0.026	0.953	(Lemonade+Lemon)-(Lemonade+Raspberry)	(Cookie+Lemon)
0.020	0.917	(Cookie+Lemon)-(Tea+Green)	(Lemonade+Lemon)
0.020	0.995	(Lemonade+Raspberry)-(Tea+Green)-(Cookie+Raspberry)	(Lemonade+Lemon)
0.021	0.995	(Soda+Cherry)-(Danish+Apple)-(Tart+Apple)	(Croissant+Apple)

file	min_sup	min_conf
75000/75000-out1.csv	0.05	0.5
size	itemset	support
1	0.08353333333333333	(Cake+Chocolate)
1	0.08361333333333333	(Cake+Lemon)
1	0.07501333333333333	(Cake+Casino)
1	0.08209333333333334	(Cake+Opera)

file	min_sup	min_conf
75000/75000-out1.csv	0.05	0.5
size	itemset	support
1	0.09264	(Cake+Strawberry)
1	0.08224	(Cake+Truffle)
1	0.10924	(Eclair+Coffee)
1	0.08274666666666666	(Cake+Napoleon)
1	0.07712	(Pie+Apple)
1	0.06822666666666667	(Tart+Apple)
1	0.08482666666666666	(Tart+Berry)
1	0.07586666666666667	(Tart+Blackberry)
1	0.08294666666666667	(Tart+Blueberry)
1	0.07372	(Tart+Chocolate)
1	0.09316	(Tart+Cherry)
1	0.0758	(Tart+Lemon)
1	0.09044	(Cookie+Gongolais)
1	0.06764	(Cookie+Raspberry)
1	0.06801333333333333	(Cookie+Lemon)
1	0.08977333333333333	(Cookie+Marzipan)
1	0.10074666666666666	(Cookie+Tuile)
1	0.06785333333333333	(Cookie+Walnut)
1	0.06729333333333333	(Croissant+Apple)
1	0.08398666666666667	(Croissant+Apricot)
1	0.08221333333333333	(Croissant+Cheese)
1	0.09257333333333333	(Danish+Apricot)
1	0.06769333333333333	(Danish+Apple)
1	0.0772	(Twist+Almond)
1	0.06824	(Lemonade+Lemon)
1	0.06774666666666666	(Lemonade+Raspberry)
1	0.09161333333333334	(Juice+Orange)
1	0.06246666666666666	(Tea+Green)
1	0.0752	(Water+Bottled)
1	0.10266666666666667	(Coffee+Hot)
1	0.08314666666666666	(Coffee+Chocolate)
1	0.07746666666666667	(Frappuccino+Vanilla)
1	0.06198666666666667	(Soda+Cherry)
1	0.06797333333333333	(Espresso+Single)
2	0.05309333333333333	(Tart+Cherry)-(Danish+Apricot)
2	0.05092	(Cookie+Marzipan)-(Cookie+Tuile)

support	confidence	antecedent	consequent
0.053	0.570	(Tart+Cherry)	(Danish+Apricot)
0.051	0.567	(Cookie+Marzipan)	(Cookie+Tuile)
0.053	0.574	(Danish+Apricot)	(Tart+Cherry)
0.051	0.505	(Cookie+Tuile)	(Cookie+Marzipan)

Appendix A