دانشکده مهندسی برق و کامپیوتر

مهدی حسین‌زاده

۹۳۲۵۹۰۳

نرم‌افزار



مقدار min sup ۶۰ درصد است یعنی هر آیتم‌ست باید در حداقل ۶۰ درصد کل ترنزکشن‌ها آمده باشد (یا به عبارت دیگر در حداقل ۳ ترنزکشن از ۵ ترنزکشن).

|  |  |
| --- | --- |
| sup | itemset |
| 60% | {MincedMeat} |
| 60% | {Onion} |
| 60% | {Flour} |
| 80% | {Ketchup} |
| 80% | {Egg} |
| 80% | {Yoghurt} |

|  |  |
| --- | --- |
| sup | itemset |
| 20% | {MincedMeat, Onion} |
| 20% | {MincedMeat, Flour} |
| 60% | {MincedMeat, Ketchup} |
| 40% | {MincedMeat, Egg} |
| 40% | {MincedMeat, Yoghurt} |
| 60% | {Onion, Flour} |
| 40% | {Onion, Ketchup} |
| 60% | {Onion, Egg} |
| 60% | {Onion, Yoghurt} |
| 40% | {Flour, Ketchup} |
| 60% | {Flour, Egg} |
| 60% | {Four, Yoghurt} |
| 60% | {Ketchup, Egg} |
| 60% | {Ketchup, Yoghurt} |
| 60% | {Egg, Yoghurt} |

|  |  |
| --- | --- |
| sup | itemset |
| 60% | {MincedMeat} |
| 60% | {Onion} |
| 60% | {Flour} |
| 80% | {Ketchup} |
| 80% | {Egg} |
| 80% | {Yoghurt} |
| 20% | {DriedFruit} |
| 20% | {Artichoke} |
| 40% | {IceCream} |
| 40% | {Cheese} |
| 20% | {Olive-oil} |

|  |  |
| --- | --- |
| sup | itemset |
| 60% | {MincedMeat, Ketchup} |
| 60% | {Onion, Flour} |
| 60% | {Onion, Egg} |
| 60% | {Onion, Yoghurt} |
| 60% | {Flour, Egg} |
| 60% | {Four, Yoghurt} |
| 60% | {Ketchup, Egg} |
| 60% | {Ketchup, Yoghurt} |
| 60% | {Egg, Yoghurt} |

|  |  |
| --- | --- |
| sup | itemset |
| 60% | {Onion, Flour, Egg} |
| 60% | {Onion, Flour, Yoghurt} |
| 60% | {Onion, Egg, Yoghurt} |
| 60% | {Flour, Egg, Yoghurt} |

|  |  |
| --- | --- |
| sup | itemset |
| 60% | {Onion, Flour, Egg} |
| 60% | {Onion, Flour, Yoghurt} |
| 60% | {Onion, Egg, Yoghurt} |
| 60% | {Flour, Egg, Yoghurt} |
| 40% | {Ketchup, Egg, Yoghurt} |

|  |  |
| --- | --- |
| sup | itemset |
| 60% | {Onion, Flour, Egg, Yoghurt} |

|  |  |
| --- | --- |
| sup | itemset |
| 60% | {Onion, Flour, Egg, Yoghurt} |



|  |  |  |  |
| --- | --- | --- | --- |
| Association Rule | Support | Confidence | Lift |
| Onion AND Flour → Egg | 60% | 100% | 0.5 |
| Onion AND Egg → Flour | 60% | 100% | 0.67 |
| Flour AND Egg → Onion | 60% | 100% | 0.67 |
| Onion AND Flour → Yoghurt | 60% | 100% | 0.5 |
| Onion AND Yoghurt → Flour | 60% | 100% | 0.67 |
| Flour AND Yoghurt → Onion | 60% | 100% | 0.67 |
| Onion AND Egg → Yoghurt | 60% | 100% | 0.5 |
| Onion AND Yoghurt → Egg | 60% | 100% | 0.5 |
| Egg AND Yoghurt → Onion | 60% | 100% | 0.67 |
| Flour AND Egg → Yoghurt | 60% | 100% | 0.5 |
| Flour AND Yoghurt → Egg | 60% | 100% | 0.5 |
| Egg AND Yoghurt → Flour | 60% | 100% | 0.67 |