## Aukit Raj

1906534

Classmate Date Page

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TID	ITEMS	
T1	A, B, C, E	
T2	A, B, C, D, E	-
T3	A, B, C, G	
TH	A, C, F	
T5	A, B, D, E, F	

## Support = 60% = 3 2 Confidence = 50%.

1	~ .		11		L. L. V. Lander	The same of the same				
	C1		L1		C2			L2		
-	{A3	5	{A}	15	[EA, B	. 1		{A, B}	4	
-	EB3	4	{ B}	4	₹A,C	1.	1	[A, c]	4	
	{ ( }	4	803	4	{A, E3	1 0		{A, E}	3	
	-{D3-	2	{E3	3	¿A, C}			EB, (3	3	
	EE3	3			B, E	3		{ B, E}	3	
	EF3	2					1			
	263	+		traction	Lile	3 . 3 .	4	and a		
							_			

C3		L3		C4		
-	{A,B,C3	3	{A,B,C}	3	FA, B, C, E3	2
0	$\{A,B,E\}$	3	{A,B,E3	3	63.2:63	
-	₹A, (, €}	2	S = COY	8 =	BEALTA!	
	{B, C, €}	2	N. ASA	18 3/2	LAG BIRK	
1	Bet on Wall	and by	N. YES	4/8 3 8	1003 100	
-						
-	4 63 150	0000	N836348	Ala.	4 (60)	

So, The best itemsets are {A, B, C} A{A, B, E}

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For EA, B, C3 itemset,

CONFIDENCE

R1: A, B -> C = 3/4 = 75% (R1 is selected)

R2: A, C -> B = 3/4 = 75% (R2 is selected)

R3:B,C -> A = 3/3 = 100% (R3 is selected)

R4: A -> B, C=3/5 = 60% (R4 is selected)

R5: B => A, C=3/4 = 754. (R5 is selected)

R6: C > A, B = 3/4 = 75% (R6 is selected)

Lift (R1): Lift (A, B>C)=3/(4\*4)=0.1889(11,-ve associ Lift (R2): Lift (A, (>B) = 3/(4+4) = 0.188 (<1, - ve associated) Lift (R3) : Lift (B, C-) A) = 3/(3+5) = 0.2/<1,-ve associated) Liff(R4): Liff(A >B, c) = 3/(5+3)=0.2(11,-ve associated) Lift(R5): Lift (B-) A, c)=3/(404)=0.188(<1,-wasourded) Lift (R6): Lift (C >A,B) = 3/(4x4)=0.188(x1,-ve associated)

For EA, B, E's itemset,

CONFIDENCE

R1: A, B -> E = 3/4 = 75% (R1 is selected)

R2: A, E->B='3/3 = 100% (R2 is selected)

R3: B, E A = 3/3 = 100%. (R3 is selected)

R4: A -> B, E = 3/5 = 60%. (R4 is selected)

RS: B -> A, E = 3/4 = 75%. (RS is Delected)

selected) R6: E>A,B=3/4=75%.

Laft (R1): Lift (A, B > E) = 3/(4\*3) = 0.25(21, -ve associated) Lift (R2): Lift (A, E-)B)=3/(3+4)=0.25(<1,-ve associate) Lift(13): Lift (Bg E > A)= 3/(3\*5)=0.2 (<1,-ve associated)

Lift(RU): Lift (A -> B, E) = 3/(5+3) = 0.2 (11, -ve associated)

Liff(R5): Lift (B-> A, E) = 3/(4+3) = 0.25(11,-ve associata) Lift(R6): Lift (E->A, B)= 3/(3x4)=0.25(11, -ve associate)

So, finally not a signle rule is Suitable to brovide