

LABORATORY WORK BOOK

Nar	ne of the	Student HIMAK	Roll Number											
Cla	ss	CSE - B		Roll Numb	1-1	5								
Class CSE - B Semester VI Course Code : ACICO8 Course Name : DMKD laboratory Name of the Company Course Name : DMKD laboratory Faculty ID : TARE 1097														
right of the Course Faculty 19														
Exercise Number: Der DURGA BHAVAN L Date: 3014124														
			Wee	k Number :.	O6	SAVVANDED								
S. No.	Exercise Number	EXERCISE NAME	Aim/ Algorithm / P			Source Code	Program Execution Results and Error Analysis	Viva -	Total					
			Aim/ Preparation	Performance in the Lab		Calculations and Graphs			20					
			4	4		4	4	4 .						
1	6-1	Display top 5 nows of data	(, 1	4		u.	u	4.	20					
2	6.2	Find the rules with min-confidence: or	,	11-1-		F		4.						
3		$min_{-50}Poort = 0.045$ $min_{-11}ft = 3$:1:1 1		A**		-	,					
4		min_length =2	7.	era establica		T			1					
5				6:1					0					
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Signature of the Student

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6.	Display	top 5 8	rows of	data		48.		
	1	Pandas as						
	d = Pd	l. read_csv	Citransa	ctions.cs1	ליו			
	1	Dataset is:			4125 4514			
1 -1		TOP 5 50						
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	1	1		Butter				
	2	1		Jena .				
	3	2		Milk				
	Ч	2		Bread				

the rules with min-confidence: 0.2, min-suppost = 0.0045, min-lift = 3, min-length =2 mixtend. frequent_ Patterns import apriori, a ssociation_rules many marchest (herbers) o our impost Pandas as Pd = Pd. read_csv ('transactions.csv!) = d. groupsy (['Transaction', 'item']) Eitem J. count (). unstack (). reset_index(). fill na (o) Set_index (Transaction) at = dt. applymap (lambdo x: 12 (12 x0>0 else o) FIS = apriori(dt, min-support = 0.0045, use-colnamese & = association_ rules (fis, metric="lift" min-thateshold = 3) fr = r[(r[confidence] > 0.2) f (r[ift] > 3) f(o ['antecedent']. apply (lambda x: len(x)) >=2)] Paint (fo)

INPUT/OUT POT: I amount amount of the soul of the anteredents consequents anteredent supp --- lift leverage convic 0 (coffee, coolsan) (Juice) 0.06 --- 3:33 0:045 2.8 1 (coffee, coolssand) (Nuffin, Teg) 0.06 -- 3.33 0.045 2.8 2 (Muffin, coffee) (Tea, Juice) 0-06 ---- 4,90, 0-045, 3.0 3 (Tea, Juice) (Muffin, coffee) 0.06 - - 4.00 0.045 4 (Mustin, cotte) (Pastory) 0-06 ~- 5-00 0-045 5 (Cottle, Crotter, Tea) (Pasty) 0.06 - - 5-00 0.045 6 (ofter, Pasty, Hot Chacae) (Muffin) 0.06 ---- 20 5.00 0-045 4.0 7 (cottee, Postry, Mostin) (Tea, Juice) 0-06 --- 5-00 0-045 400 8 (cotto, Pasta, Mustin, Hot) (Mea) 0-06 = = 6-00 600 45 (F = 6 Misysaff aim 610 2 1 12211 1 8 1 7 Co 2 4 12 not ecedented, apply Clambda XI (en(x))