	MPTEL (Data Mining)	en		
D the	Cu	eep 1)		
- 100	convoliest step in the data mir	ing perocess.	is usually?	
(2) 1.2/2	Any > Porepowersing.	0	0	
- 6	equaliest step in the data min Ans > Pereprocessing with of the following is an ettoi bute?	example of	continuous	
A	ms > Height of the person is:	real number		
(3) For	iendship stoucture at usons be considered as an example	in a social	netwooking	site
Can	be considered as an exembe	al'	. (15) from	
Ar	13: > Foriendship is an edge in	a graph with	nusery as he	des.
1 Man	me al a person, con be conside	ged as an a	ttribute al	ype?
Ans				,
				٠. ١٠-
	store sells 15 items. maxim	um possible	number of a	204-
^	John 2- i tempet is			
	n 15c2 z 105			
(6) il a	necord data matrix has ned	uced number	al sows after	ena
1,00	the transformation, the transformat	ion has perjo	rmea.	
Hry	:- Douta Sompling (Somple é	is the subset	al the popul	(aton.
	- perocess of selecting a sample			
(F) 4010	from table			1
F) Taking	a transaction ID as a market	Coustomer ID	Transaction ID	items kous
banke	t, support for each itemset (C),	1	2	fa,b,c,e
	and fbidies is:	2 2	3	(a,b,d,e)
		3	5	(b, c, e)
<u>Cb.</u> 7	se1 = 8 = 0.8, [b, d]= = = 0.2	3	7	16,d,e1
	(b,d,e)= = = 0.2	4	8	{a,b,c} {a,d,e
( Bank	d on the result in (7), confidence	1 5	10	39,b,e
al a	sociation gules { b, d} > fel ond [e] -> 1	bdsare:	116	
Su. Ph	add sted telestads	(a) februal b	ytaking custom	rus ID as

(Sp. Gb, d] - jet 16, d)

= 2 1 = 84 = 0.25 | it appears in at least one transaction of the continues, o otherwise. Support of itemset Se1, fb d), (b, d, e) are

Er: 0.8, 1, 0.8 (next back)

Exp. Toreating each customer id as a market basket

contonuer ID	items Bought	
l de la	(adies, 1a, b, cies	
2	satidies, saicidies	
3	(b,c,es, (b,d,es	
4	Scida, 19,65	
	faid, es, (9, b, es,	

subbort (1e1) = 4/5 = 0.8, support (\$b,d5) =  $\frac{5}{5}$  = 1 support (\$b,d,e5) =  $\frac{4}{5}$  = 0.8  $\frac{6}{5}$  0.8,1,0.8.

(10) Bared on the result in (9), confidence of association suches \$6,d\$ ) Pes and Ses -> \$6,d\$ are:

$$\frac{5d^{h}}{2}$$
 {bid}  $\frac{65}{1}$  [e]  $\frac{0.8}{1}$   $\frac{0.8}{1}$   $\frac{0.8}{1}$   $\frac{0.8}{1}$