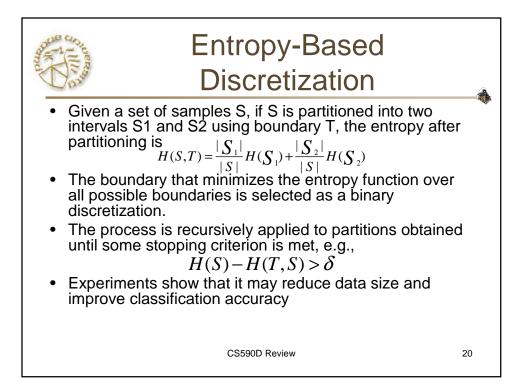
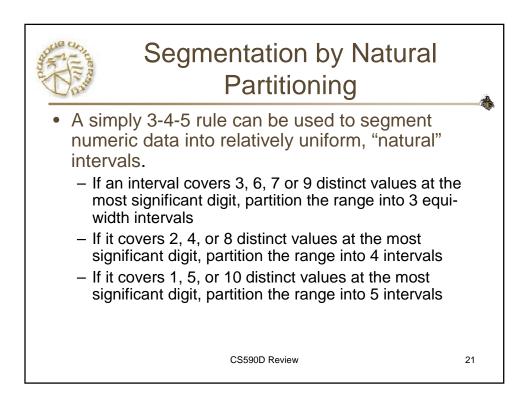
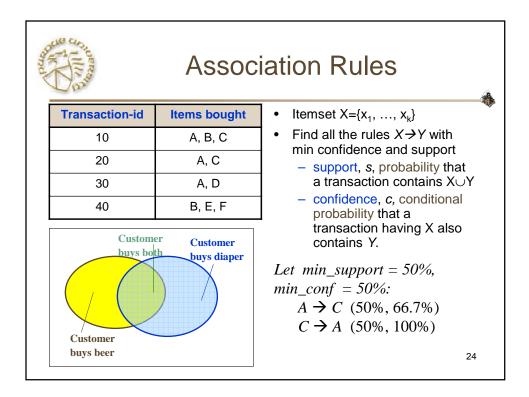
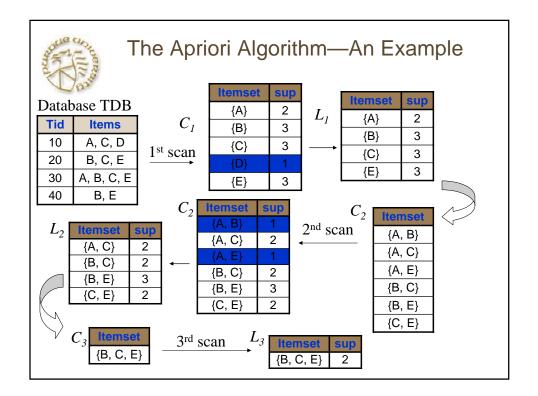


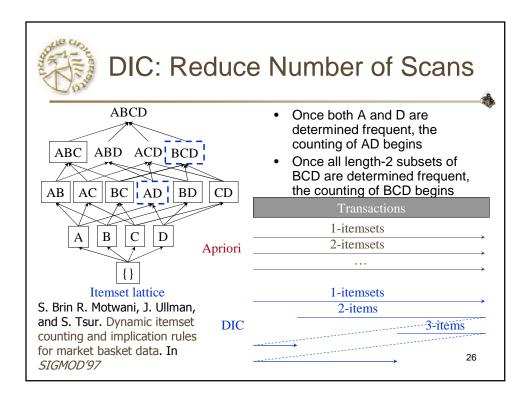
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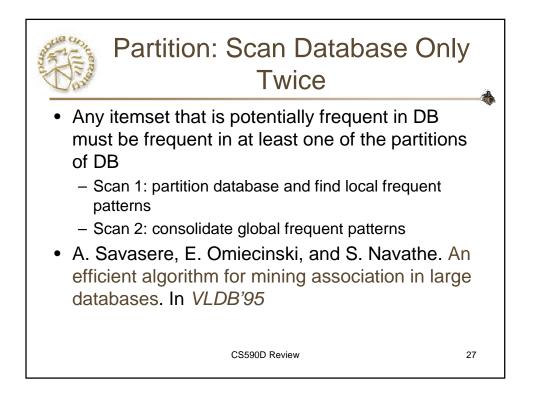


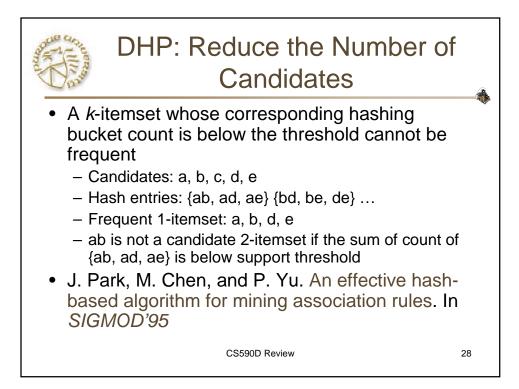




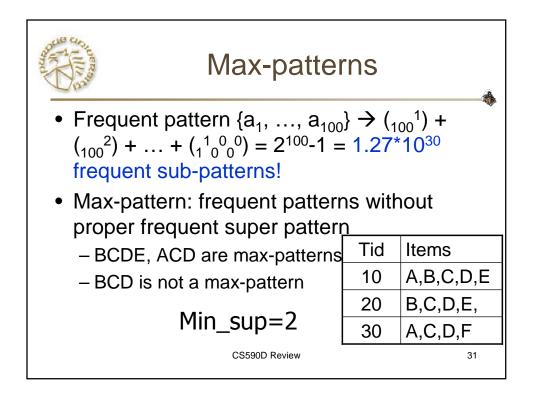


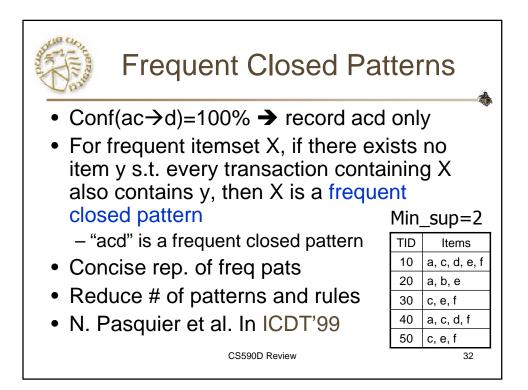


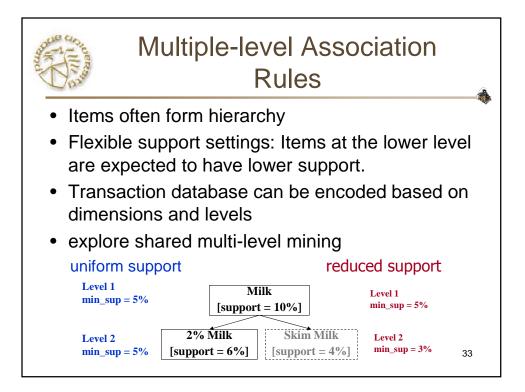


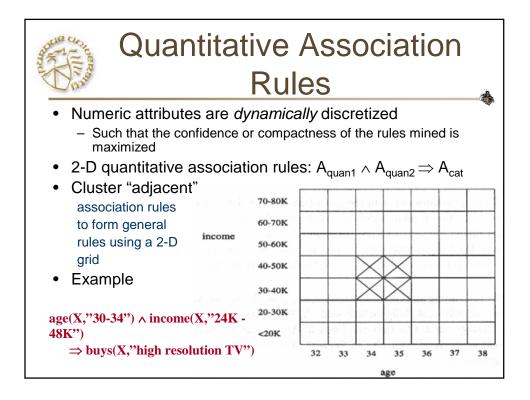


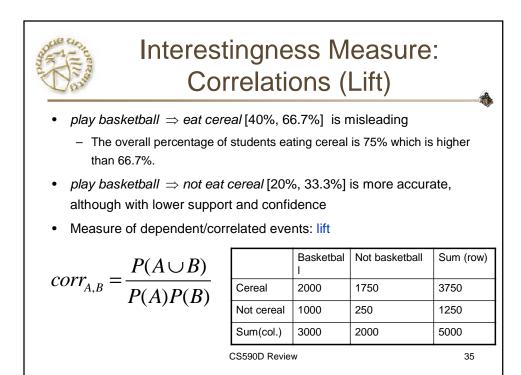
and the states	FP-tree	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \{f, c, a, m, p\} \\ \{f, c, a, b, m\} \\ \{f, b\} \\ \{c, b, p\} $	min_support = 3
 Scan DB once, find frequent 1-itemset (single item pattern) Sort frequent items in frequency descending order, f-list 	Header TableItem frequency headf4c4a3b3	$\underbrace{d}_{i} \xrightarrow{f:4} \xrightarrow{c:1} \\ f:4 $
3. Scan DB again, construct FP-tree F-lis	m = 3 $p = 3$ $t=f-c-a-b-m-p$	m:2 b:1 p:2 m:1 29



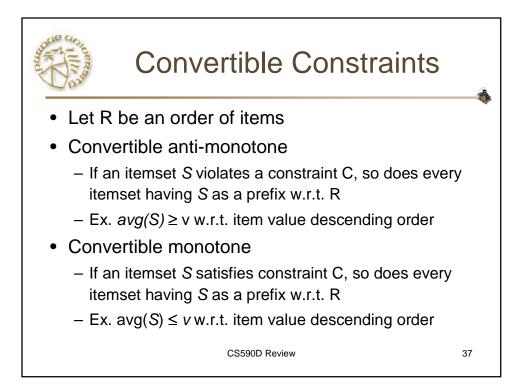


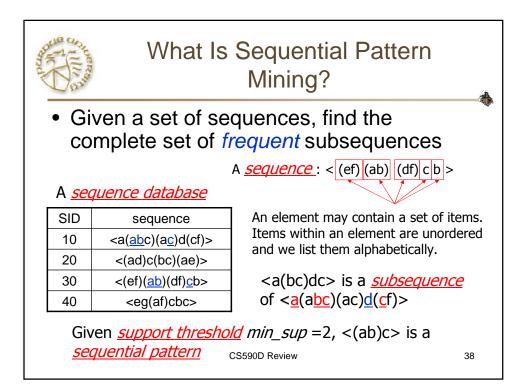


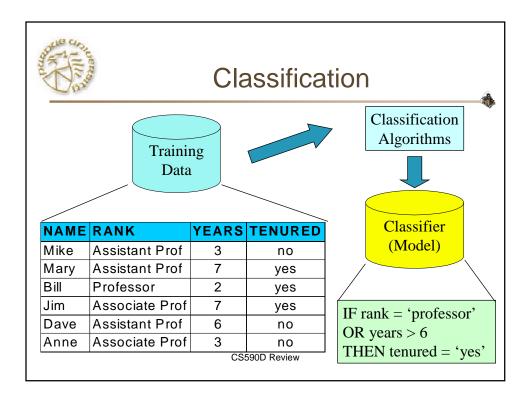


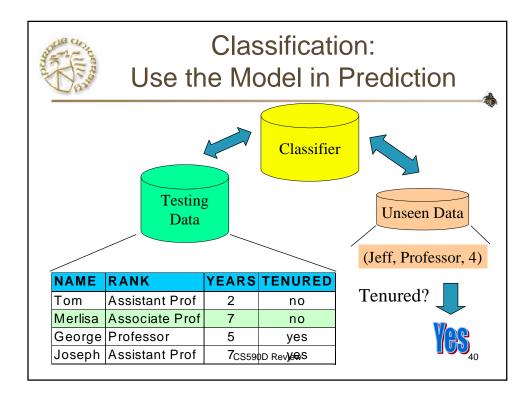


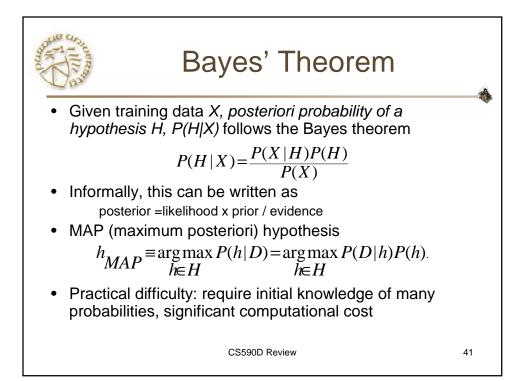
Anti-Monotonicity in Co Based Mining)t- n_sup=2	A
Anti-monotonicity	TID	Tran	saction	Ť
 When an itemset S violates the constraint, 	10	a, b	, c, d, f	
so does any of its superset	20	b, c,	d, f, g, h	
- sum(S.Price) $\leq v$ is anti-monotone	30	a, c	, d, e, f	
- sum(S.Price) $\geq v$ is not anti-monotone	40	c, e, f, g		
• Example. C: range(S.profit) \leq 15 is anti-		ltem	Profit	
monotone		а	40	
		b	0	
 Itemset ab violates C 		С	-20	
 So does every superset of ab 		d	10	
		е	-30	
		f	30	
CS590D Review		g	20	
		h	-10	

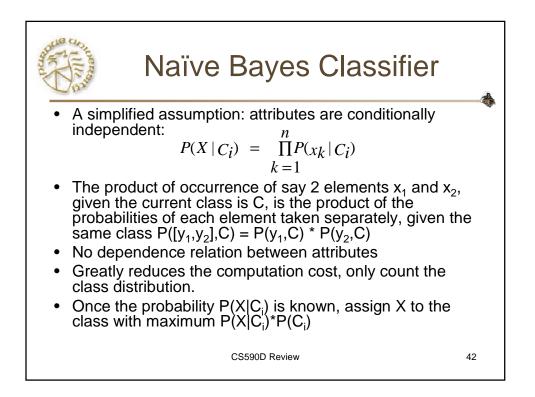


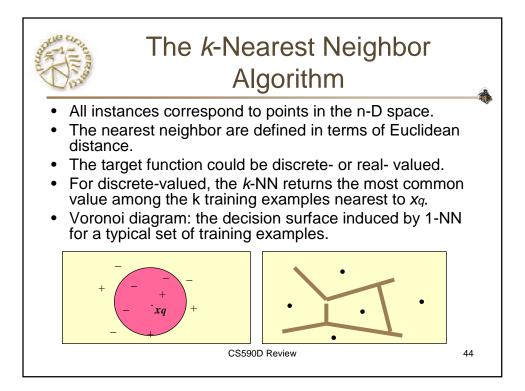


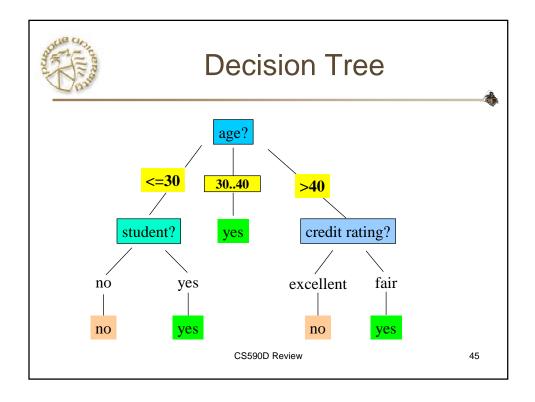


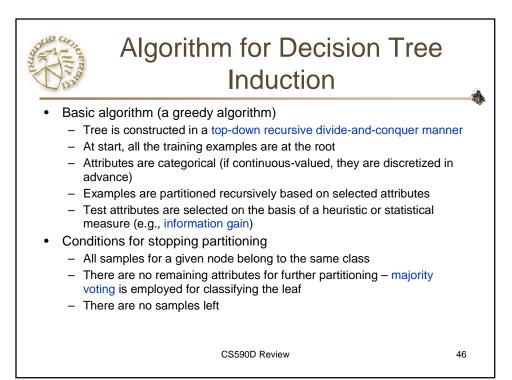


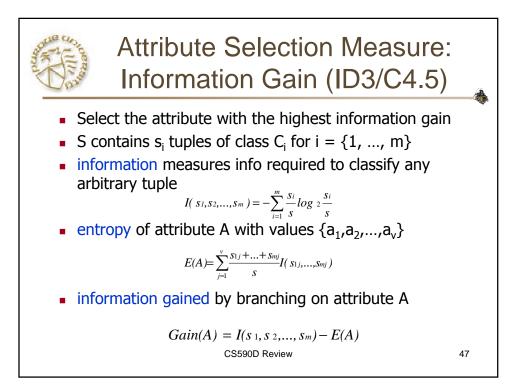


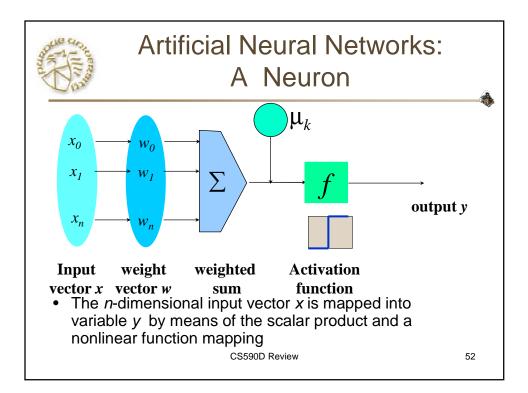


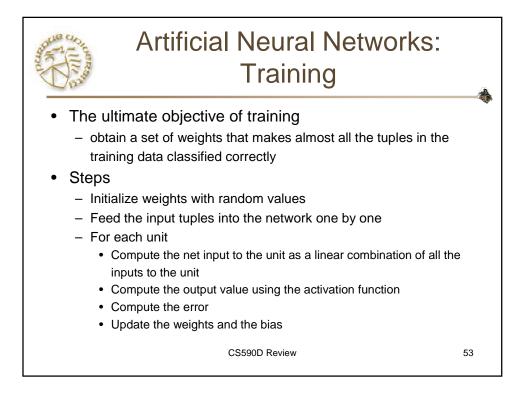


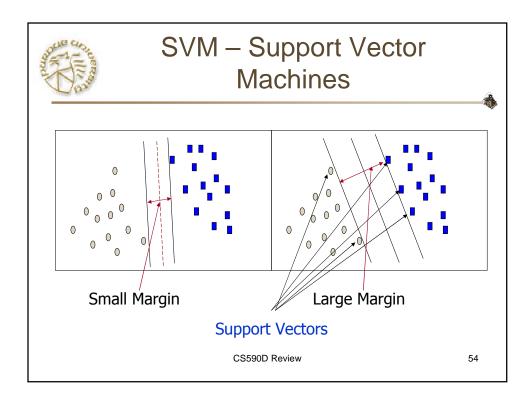


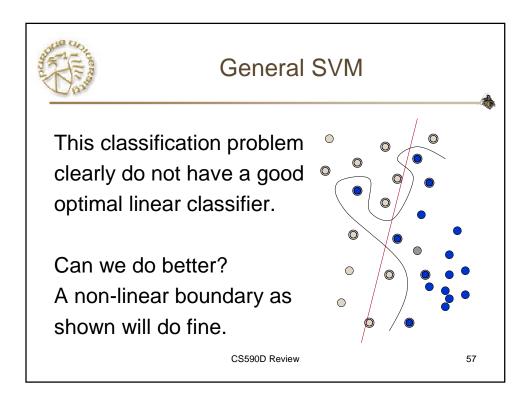


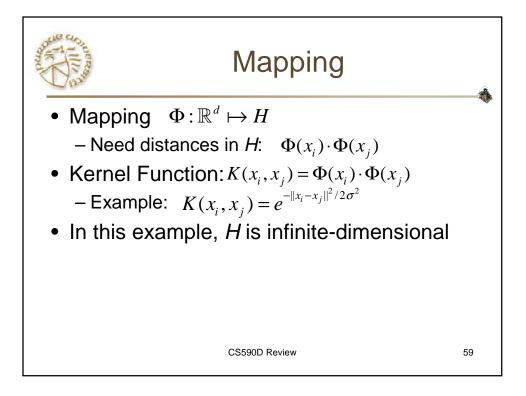


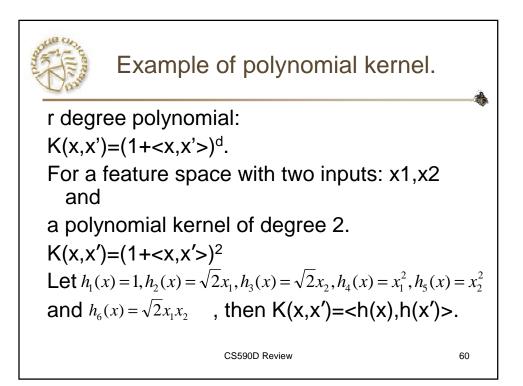


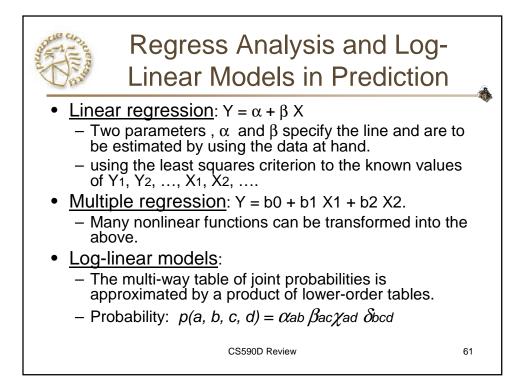


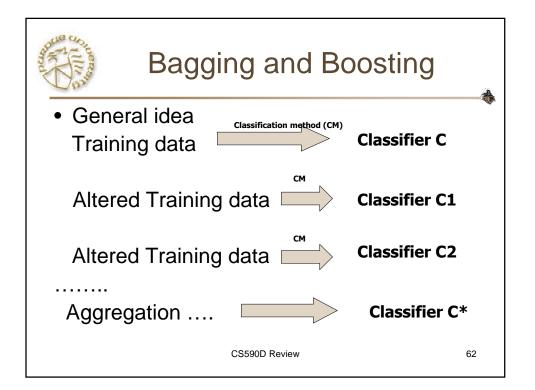


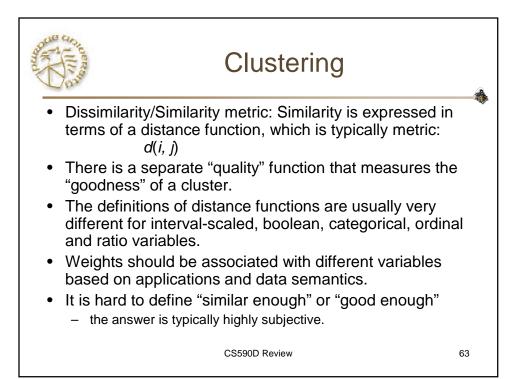


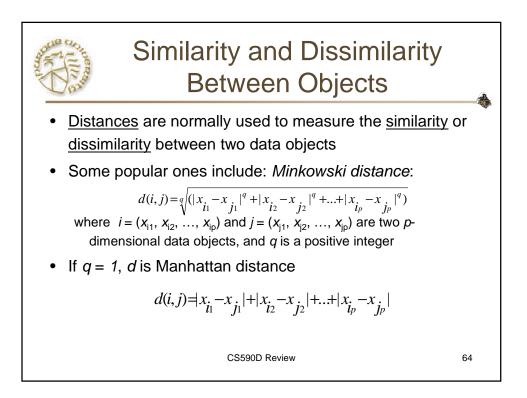


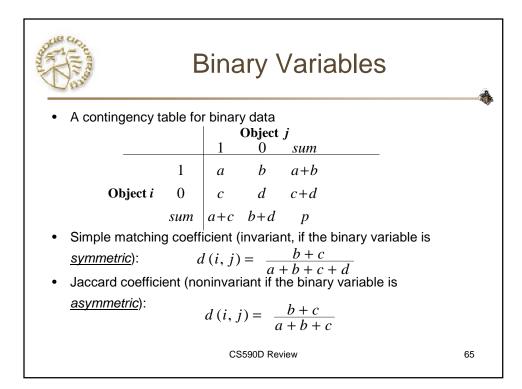


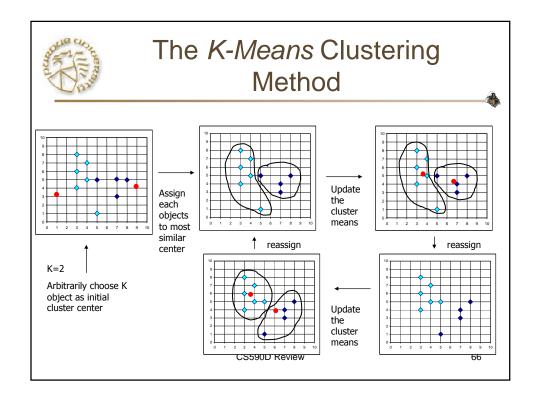


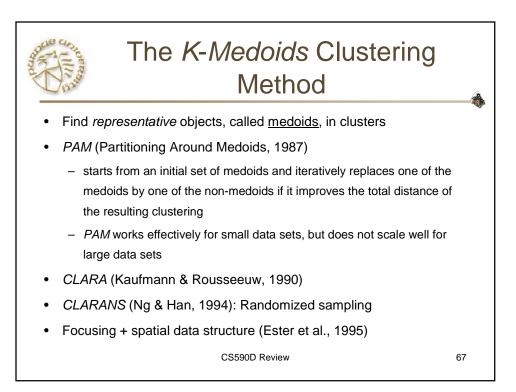


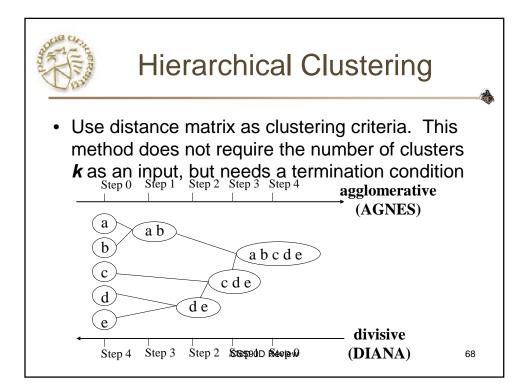


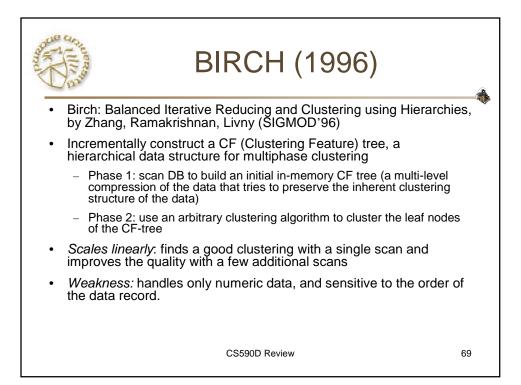


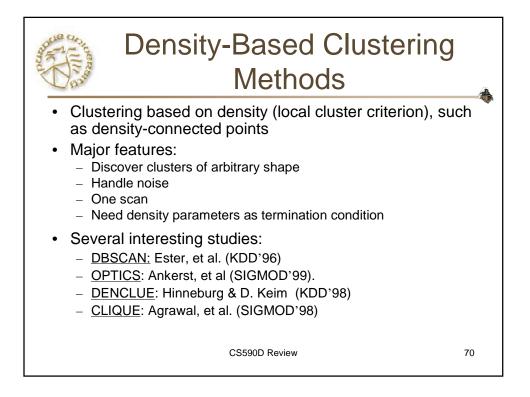


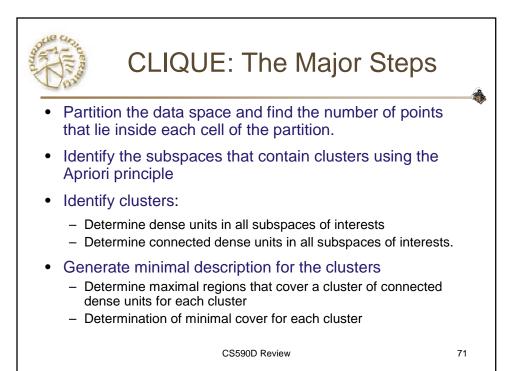


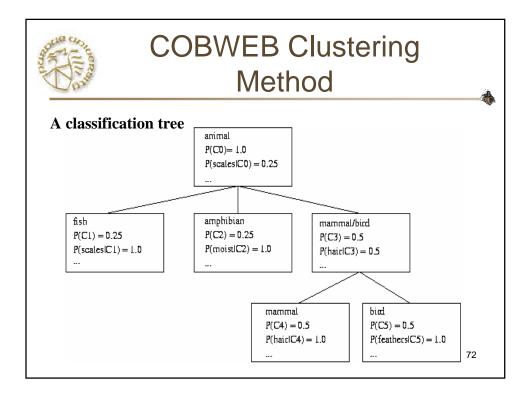


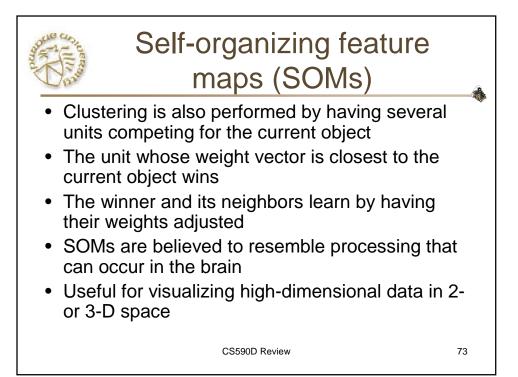


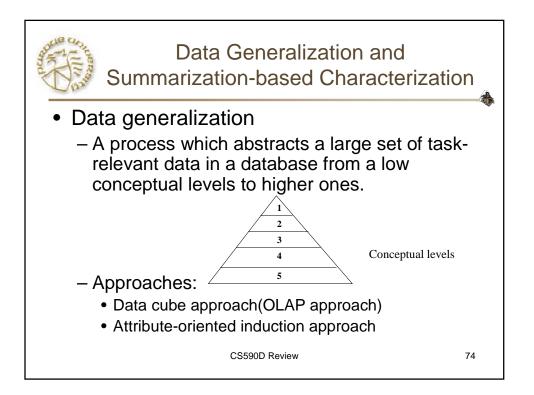


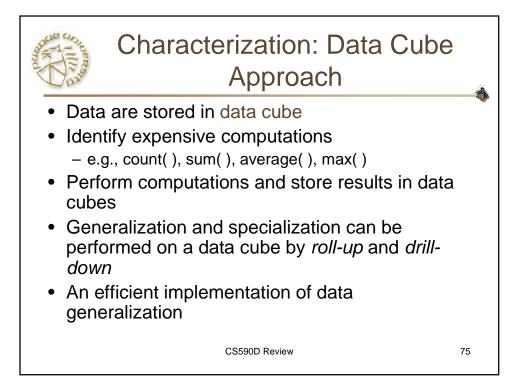


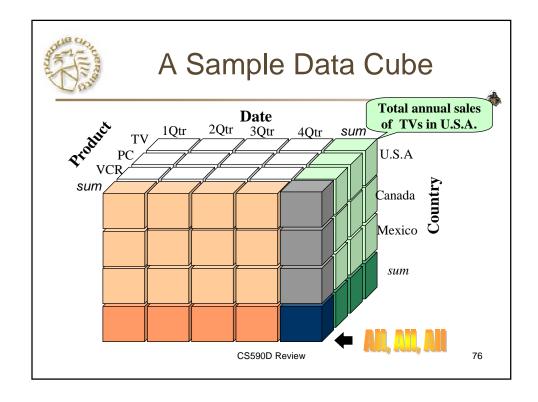


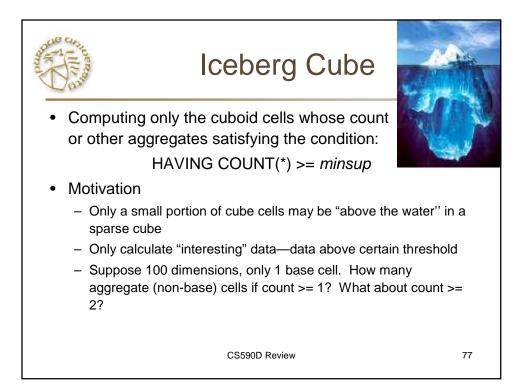




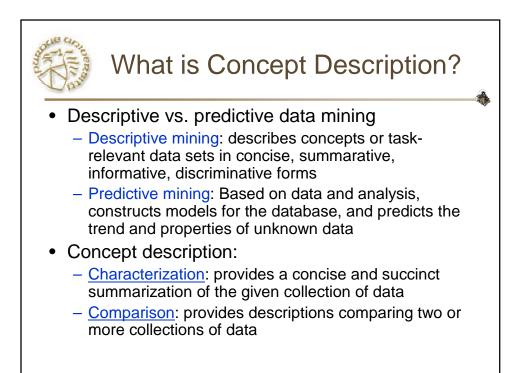


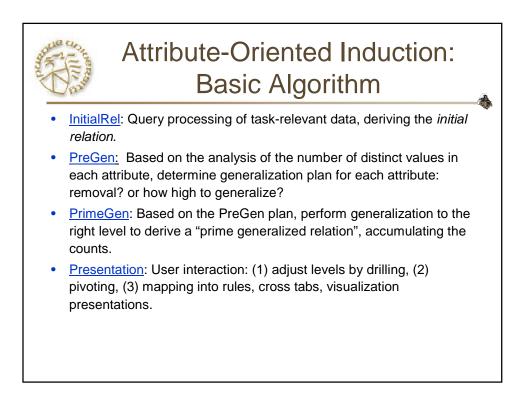




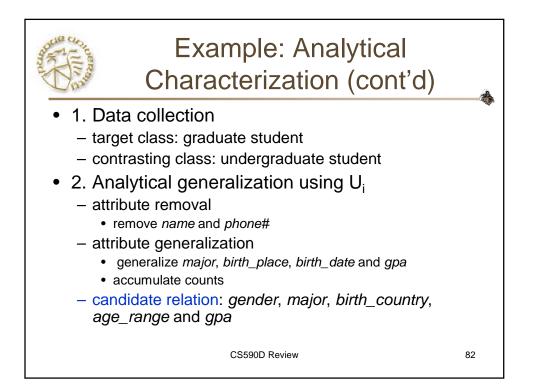








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Initial Relation	Name Jim Woodma Scott Lachanc	M	C	xs i	Birth-Pla Vancouvo Canada Montreal Canada	er,BC,	8-1	h_date 2-76 '-75	351 Ric 345	idence 1 Main St., hmond 1st Ave., hmond	Phone # 687-4598 253-9106	GPA 3.67 3.70
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Prime Genera Relatio		Gender M F 	Major Science Science	Car For	_region nada reign 	Age_ 20- 25-	25	Resid Richn Burna	nond	GPA Very-good Excellent 	Count 16 22 	
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gender	major	birth_country	age_range	gpa	count
М	Science	Canada	20-25	Very_good	16
F	Science	Foreign	25-30	Excellent	22
М	Engineering	Foreign	25-30	Excellent	18
F	Science	Foreign	25-30	Excellent	25
М	Science	Canada	20-25	Excellent	21
F	Engineering		20-25	Excellent	18
Candi		Canada for Target class		students (Σ=	
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