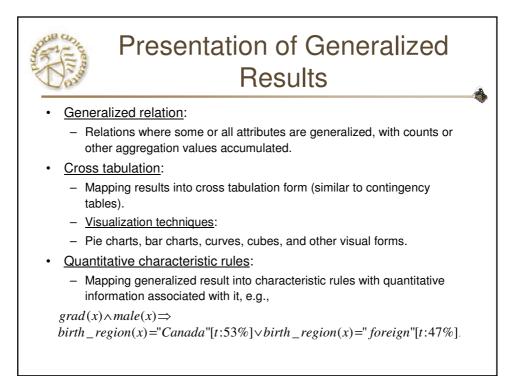
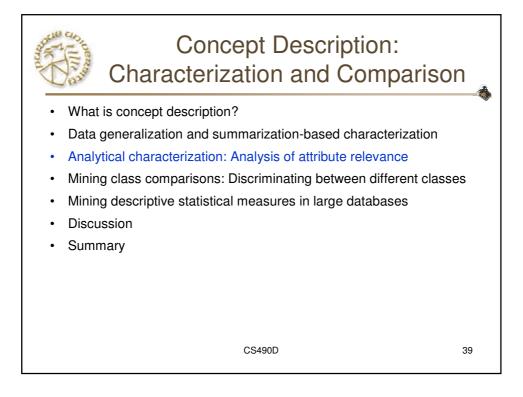


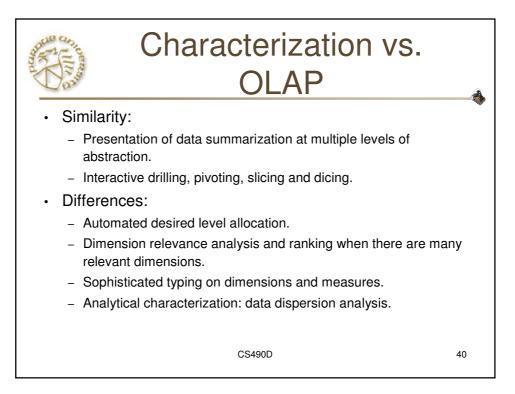
Hand			las	ss Characterization: An Example									
	Name	Gen		Major Birth-Plac CS Vancouve Canada Montreal, Canada Montreal, Physics Seattle, WA		rer,BC, 8-12-76 Il, Que, 28-7-75		Residence		Phone #	GPA		
Initial Relation	Jim Woodma Scott Lachanc	e M	C					7-75	3511 Main St., Richmond 345 1st Ave., Richmond		687-4598 253-9106	3.67 3.70	
	Laura Lo	ee F						125 Austin Ave., Burnaby		420-5232	3.83		
	Removed	Reta	ined Sci Bu		ountry		Ag	e range	City	7	Removed	Excl, VG,	
	Ge		Major	5 = 0		Age_	range	Resid	ence	GPA	Count		
	Prime Generalized		Science						Richmond Very-good				
	Deletter		Science	Forei	0	25-30		Burna	Burnaby Excellent		22		
				Birth_Region Gender		Canad	da Foreign		1	Total			
				М		16		14		30			
				F		10		22		32			
				Total	l	26		36		62			
			·							·'			

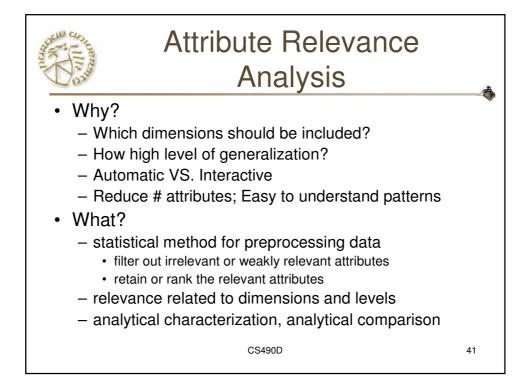


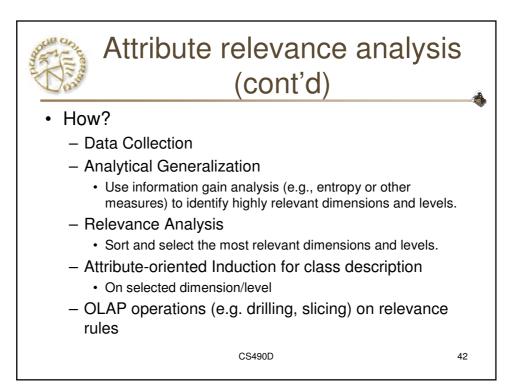
Asia TV 15 300 Europe TV 12 250 North_America TV 28 450 Asia computer 120 1000	location	item	sales (in million dollars)	count (in thousands
North_America TV 28 450	Asia	TV	15	300
	Europe	TV	12	250
Asia computer 120 1000	North_America	TV	28	450
	Asia	$\operatorname{computer}$	120	1000
Europe computer 150 1200	Europe	$\operatorname{computer}$	150	1200
North_America computer 200 1800	North_America	$\operatorname{computer}$	200	1800

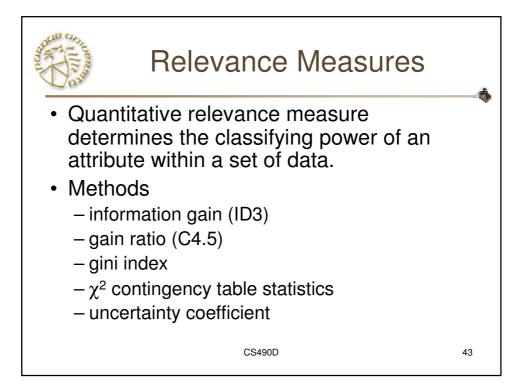
$location \setminus item$	TV		com	puter	both_items	
	sales	count	sales	count	sales	count
Asia	15	300	120	1000	135	1300
Europe	12	250	150	1200	162	1450
North_America	28	450	200	1800	228	2250
all_regions	45	1000	470	4000	525	5000
	11			sales in	1	5000

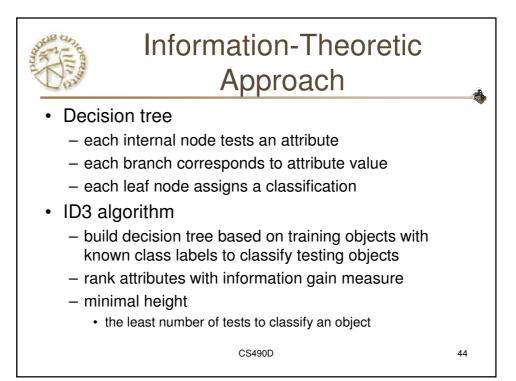


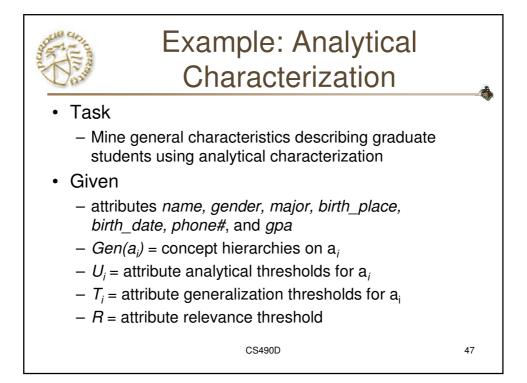


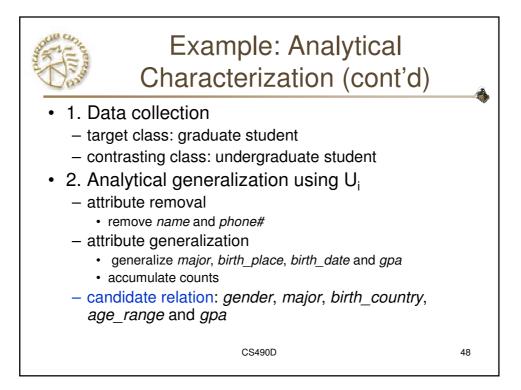




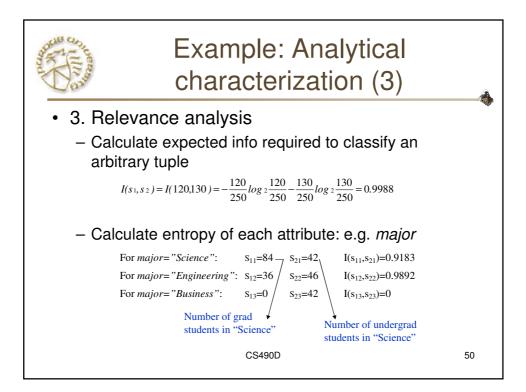


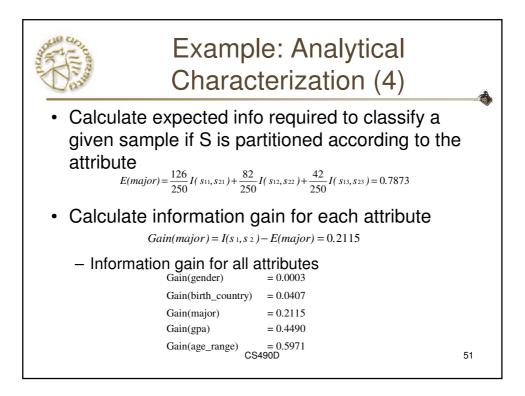


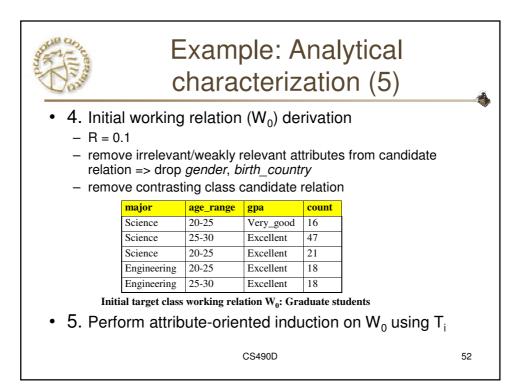


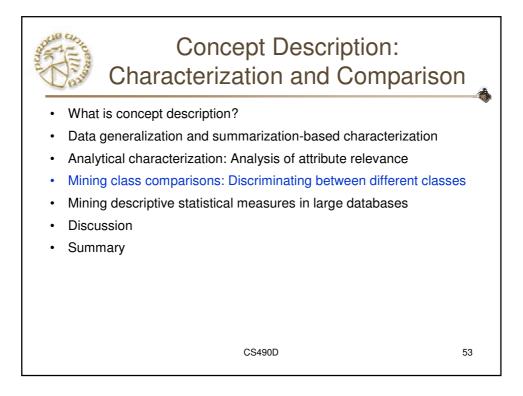


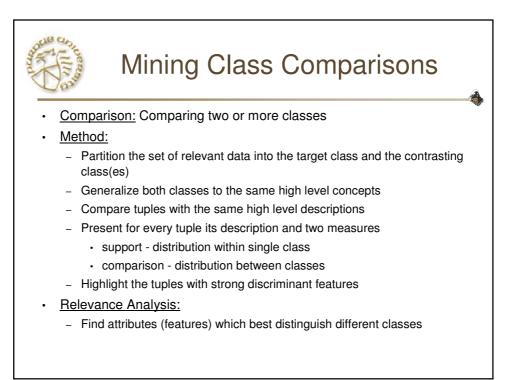
a Hilles			ample aracte					
	gender	major	birth_country	age_range	gpa	count		, i
	М	Science	Canada	20-25	Very_good	16		
	F	Science	Foreign	25-30	Excellent	22		
	М	Engineering	Foreign	25-30	Excellent	18		
	F	Science	Foreign	25-30	Excellent	25		
	М	Science	Canada	20-25	Excellent	21		
	F	Engineering	Canada	20-25	Excellent	18		
	Cand	idate relation	for Target class	s: Graduate	students (S =	120)	-	
	gender	major	birth_country	age_range	gpa	count		
	М	Science	Foreign	<20	Very_good	18		
	F	Business	Canada	<20	Fair	20		
	М	Business	Canada	<20	Fair	22		
	F	Science	Canada	20-25	Fair	24		
	М	Engineering	Foreign	20-25	Very_good	22		
	F	Engineering	Canada	<20	Excellent	24		
Ca	undidate	relation for C	ontrasting class	a: Undergra	duate student	ts (Σ= 13	0)	49

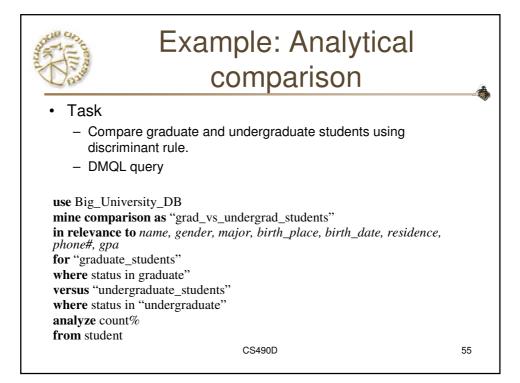


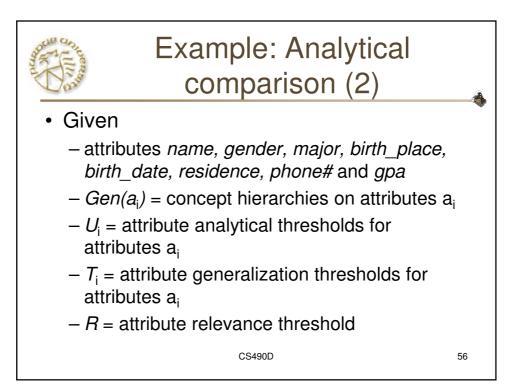


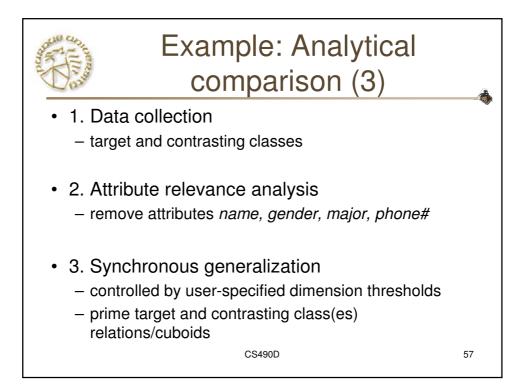












	Example: Analytical comparison (4)									
	Birth_country	Age_range	Gpa	Count%						
	Canada	20-25	Good	5.53%						
	Canada	25-30	Good	2.32%						
	Canada	Over_30	Very_good	5.86%						
	Other	Over_30	Excellent	4.68%						
Pri	me generalized rela		~	Graduate stu	idents					
	Canada	Age_range 15-20	Fair	5.53%						
	Canada	15-20	Good	4.53%						
	Canada	25-30	Good	5.02%						
	Other	Over_30	Excellent	0.68%						
Prime ge	neralized relation f		sting class: U 90D	Undergradua	te students	58				

