

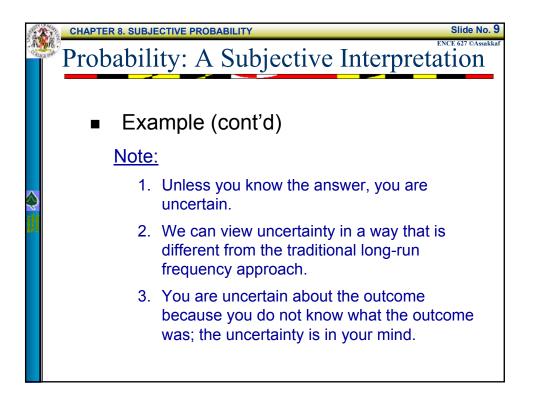


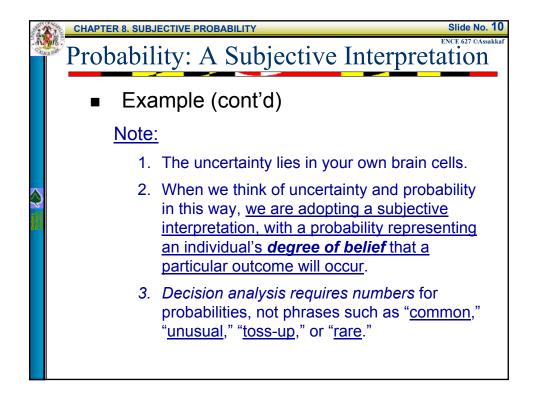
Slide No. 8

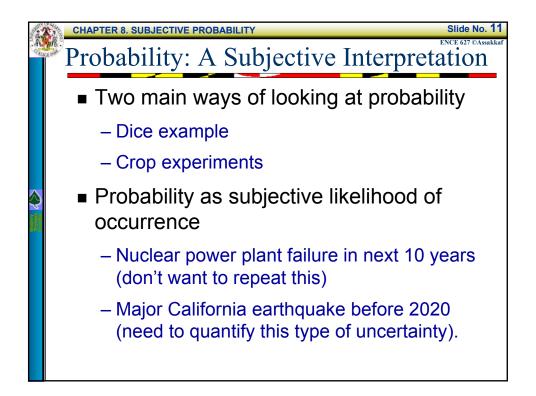
Probability: A Subjective Interpretation

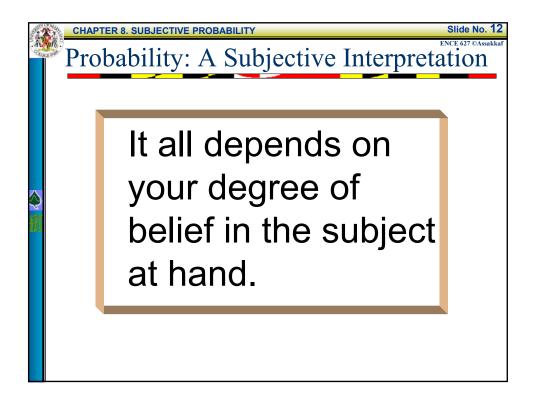
Example

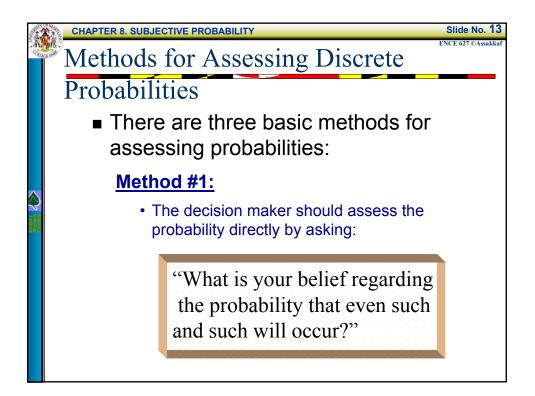
In assessing the probability that the California condor will be extinct by the year 2010 or the probability of a major nuclear power plant failure in the next 10 years, thinking in terms of long-run frequencies or averages is not responsible because we cannot rerun the "experiment" many times to find out what proportion of the times the condor becomes extinct or a power plant fails. We often hear references to the chance that a catastrophic nuclear holocaust will destroy life on the planet. Let us not even consider the idea of a long-run frequency in this case!

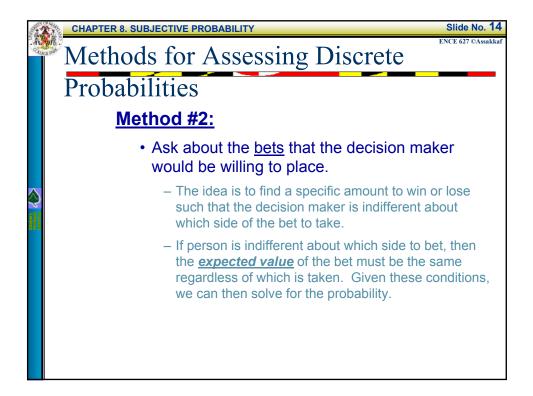


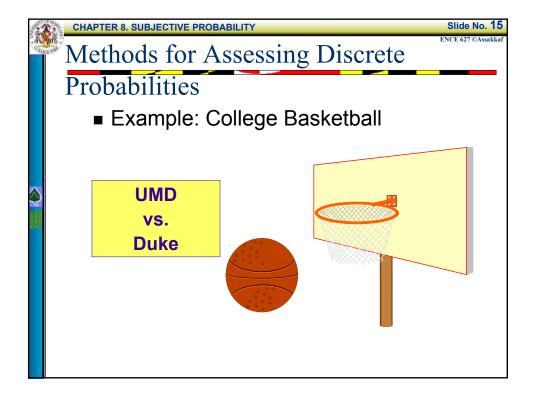


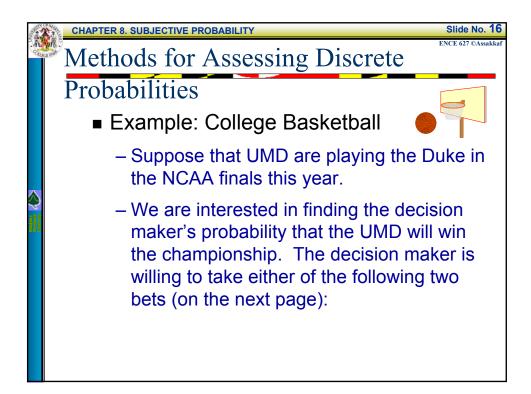


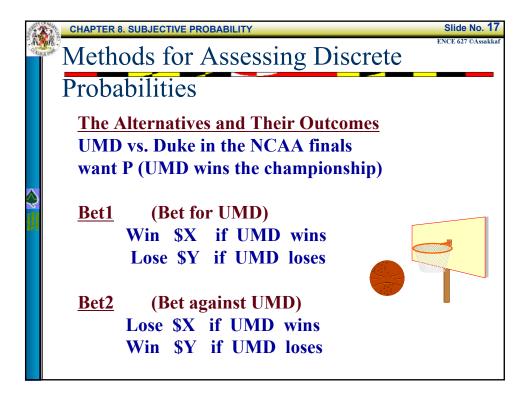


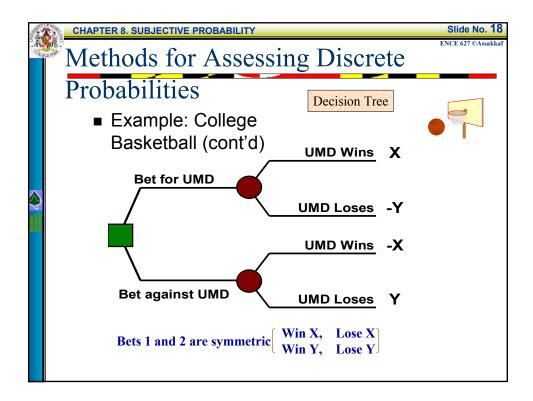


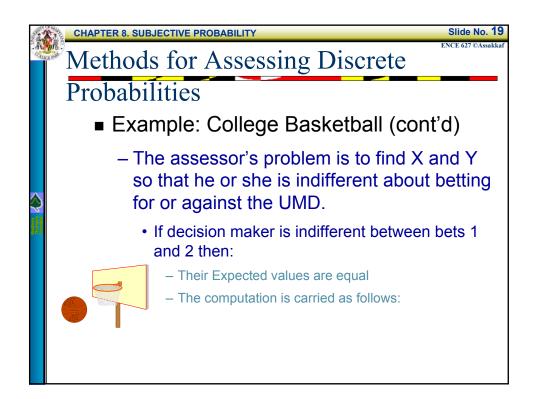


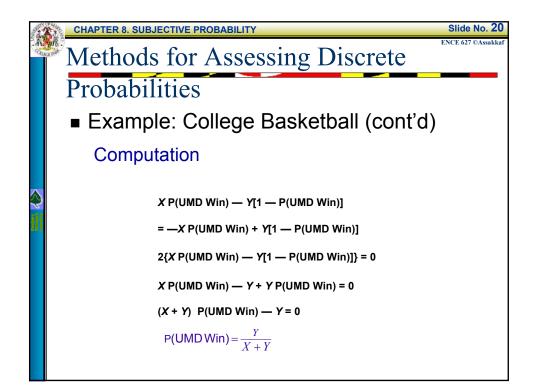


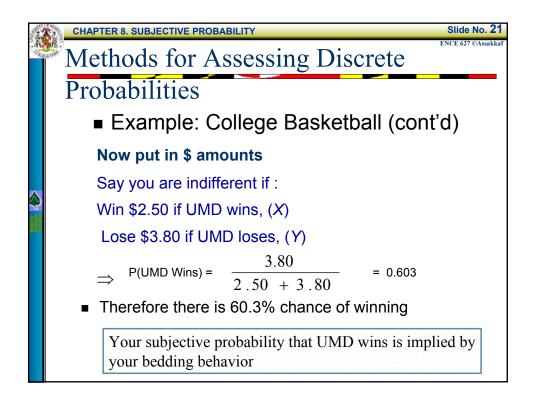


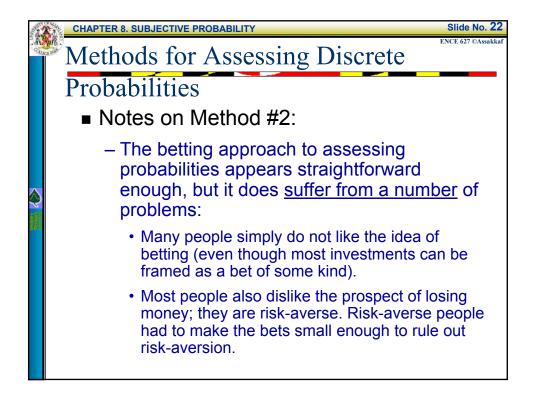


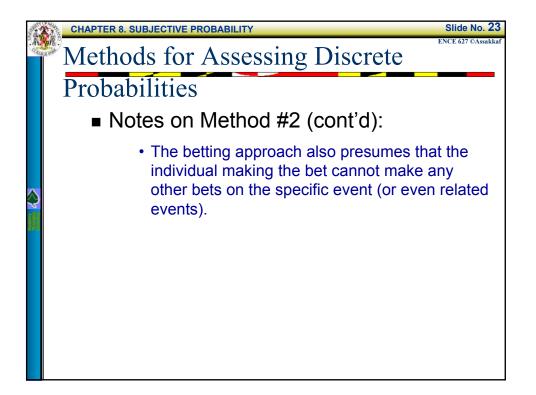


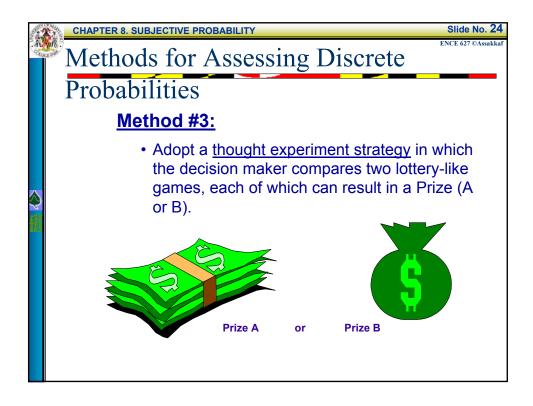


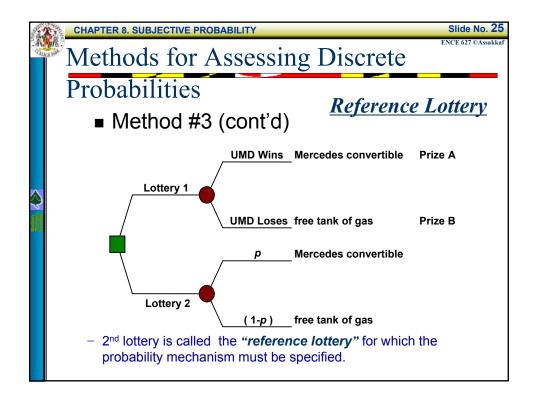


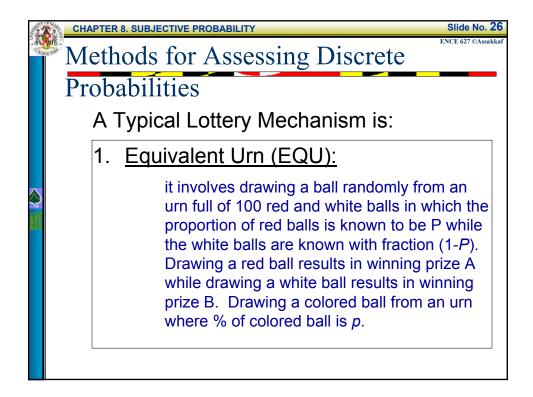


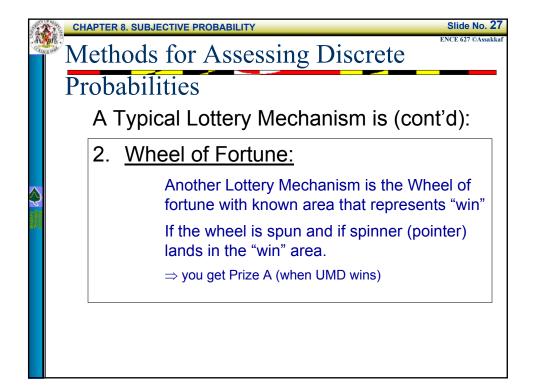


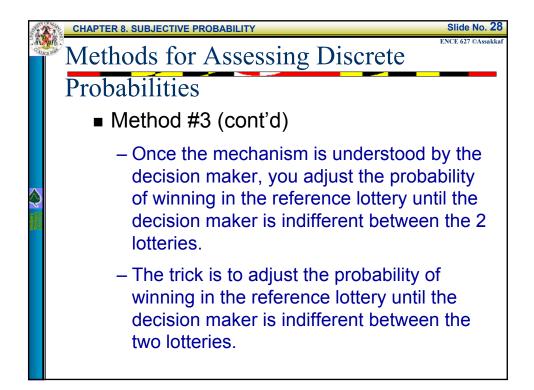


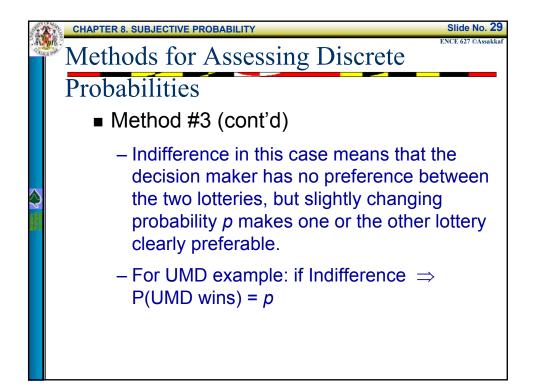


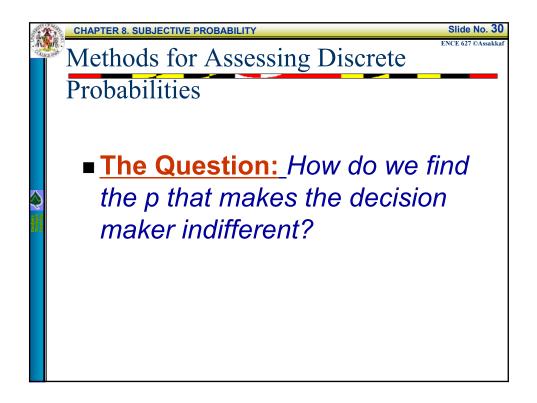


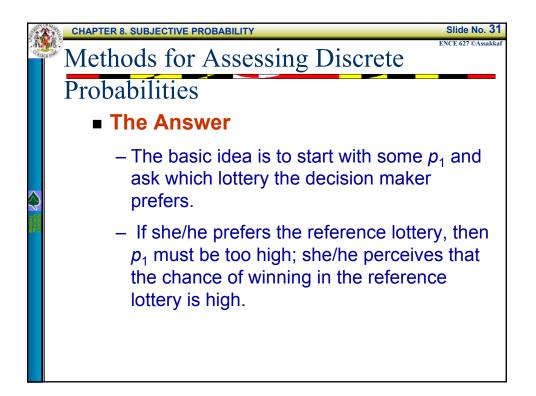


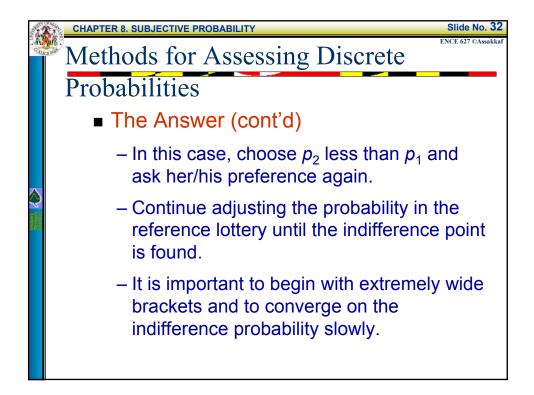


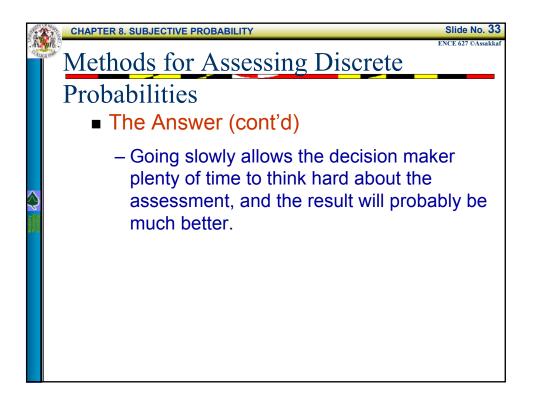


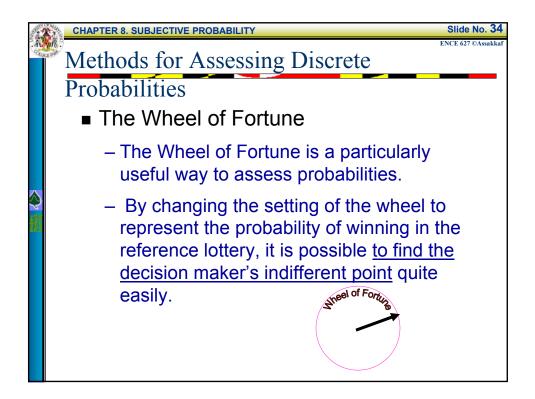


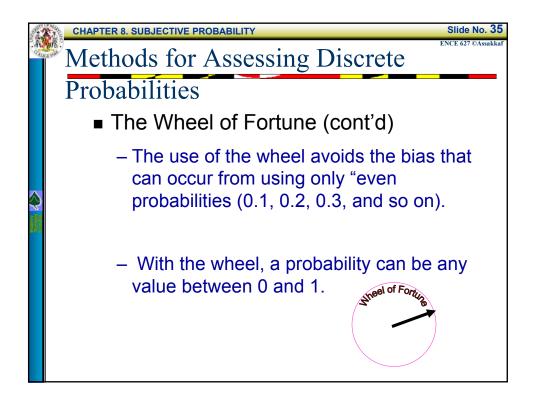


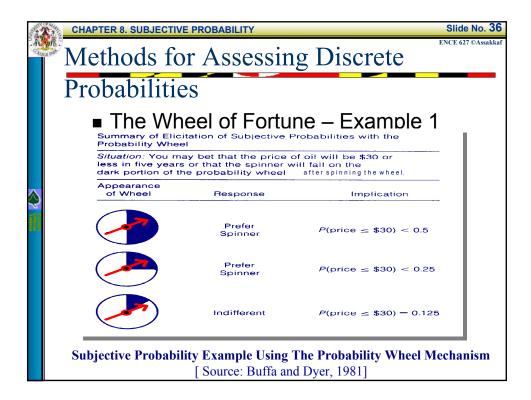


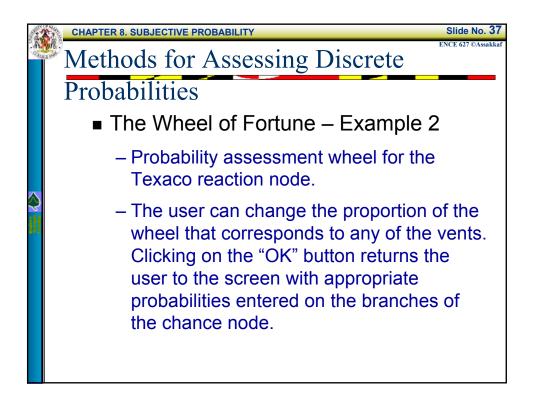


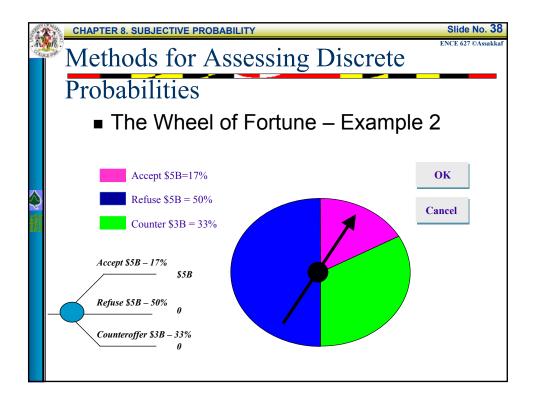


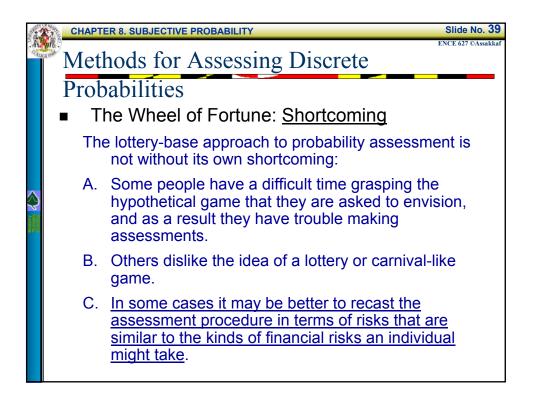


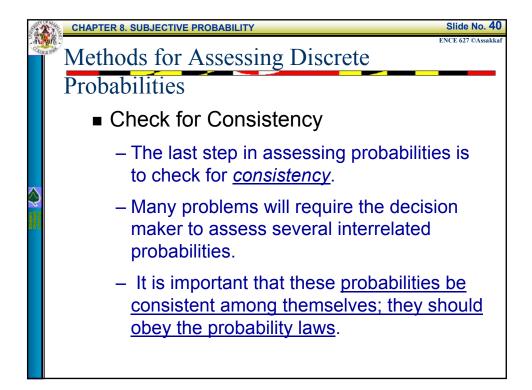


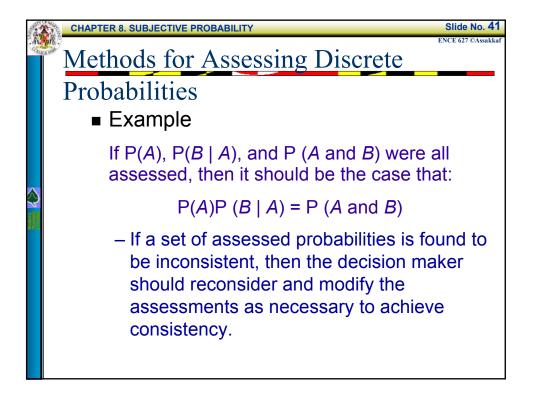


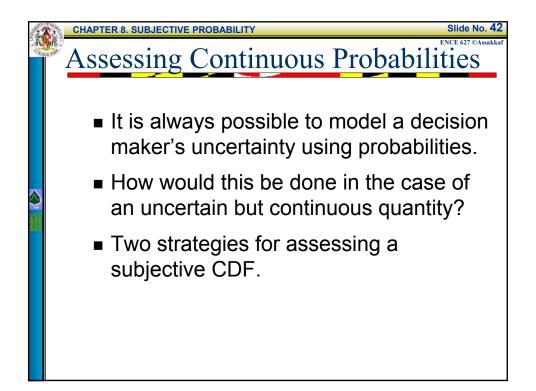


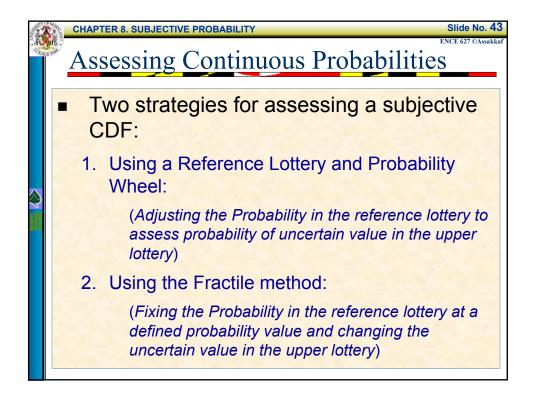


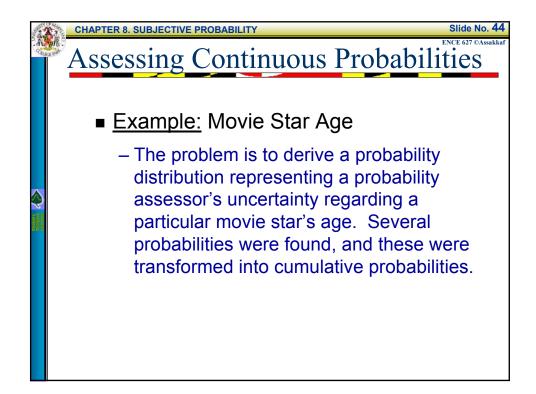


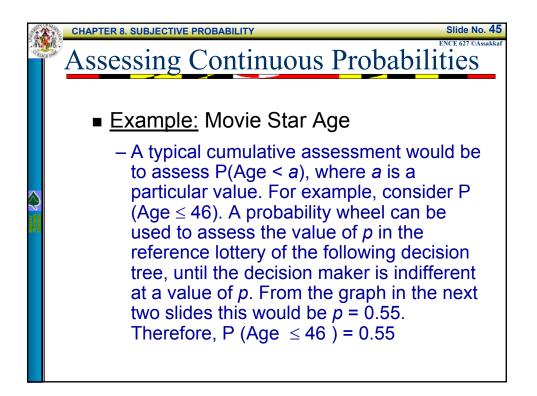


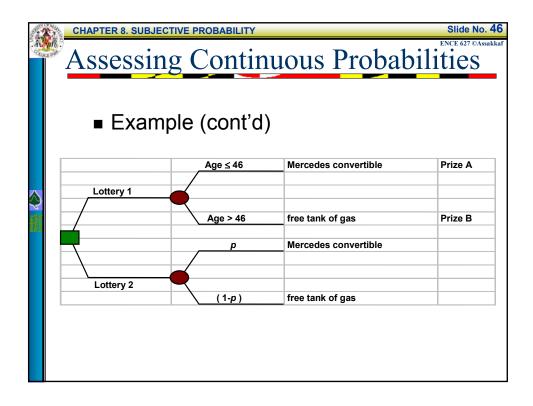


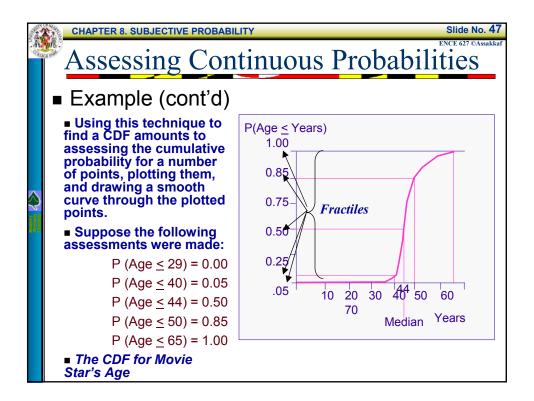


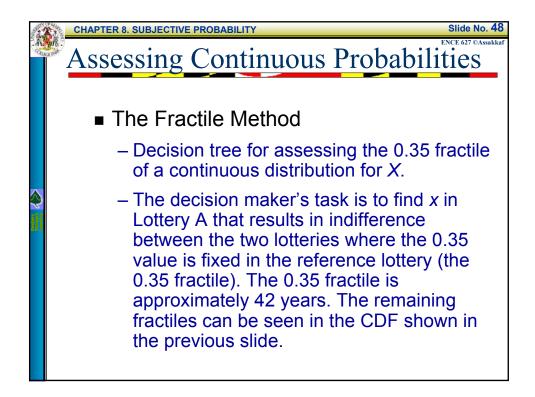


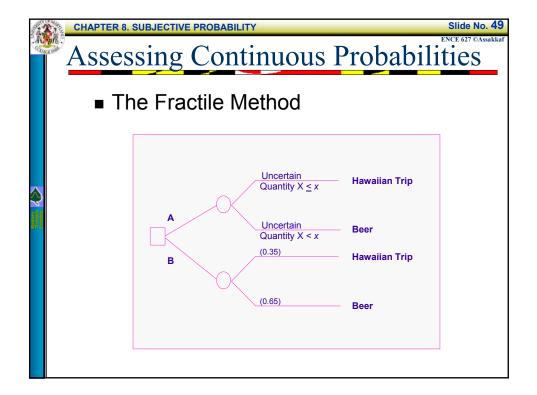


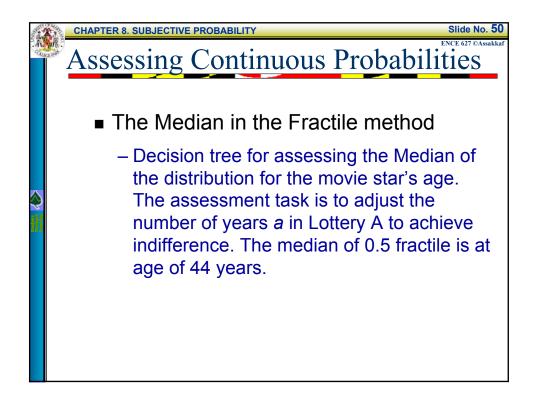


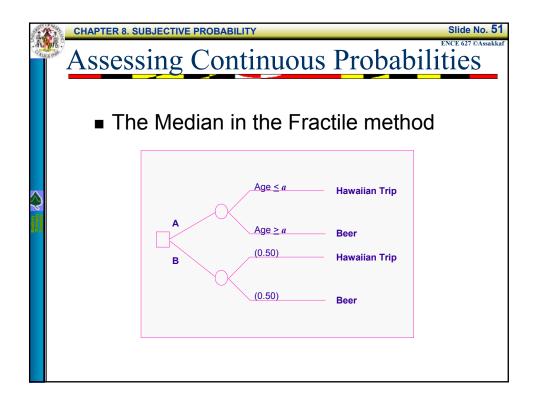


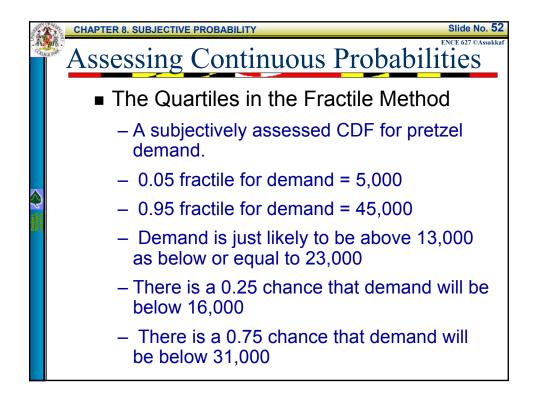


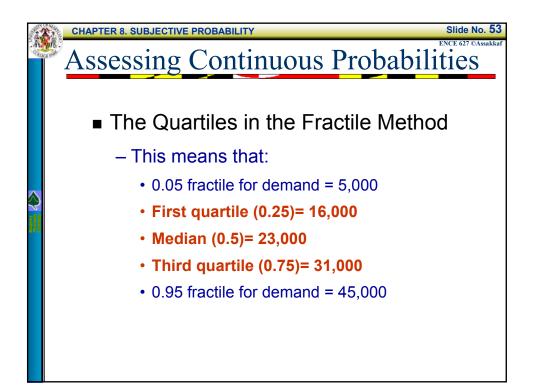


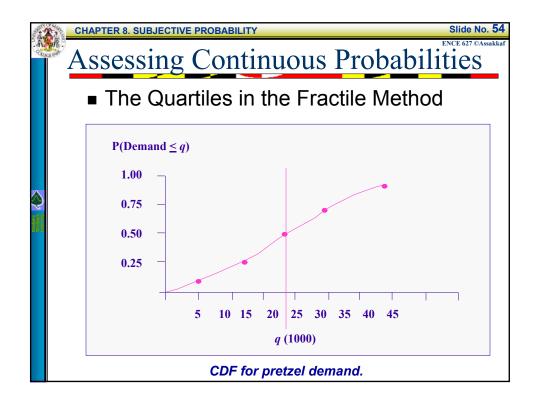


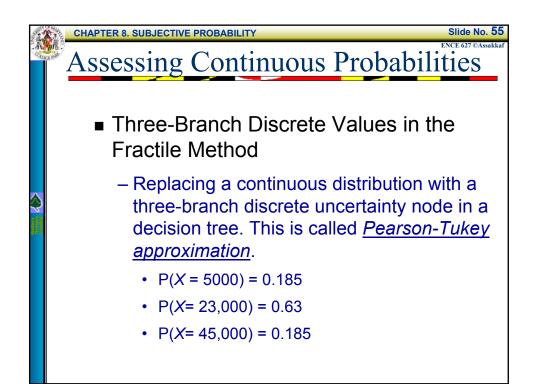


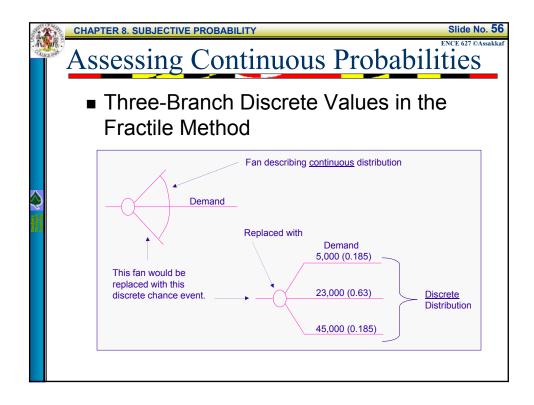


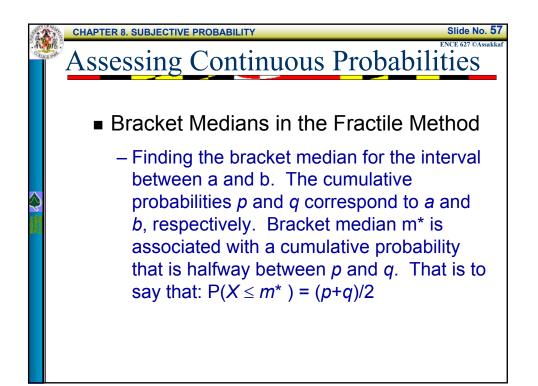


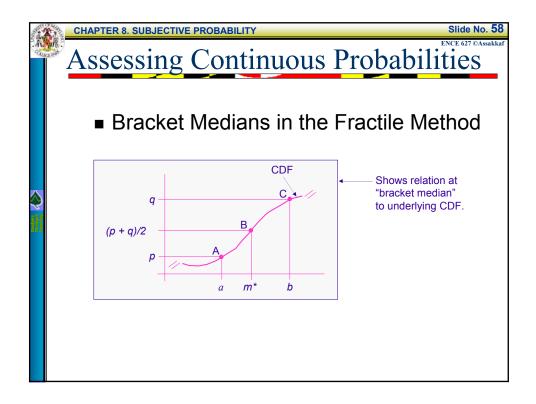


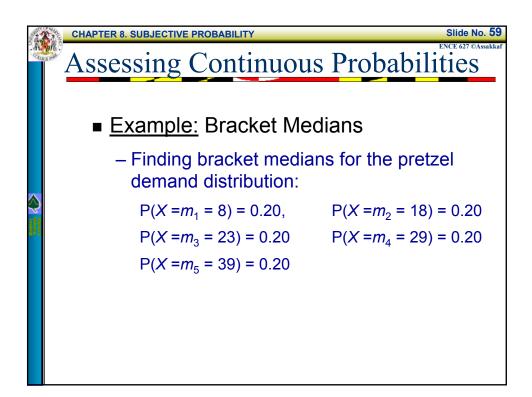


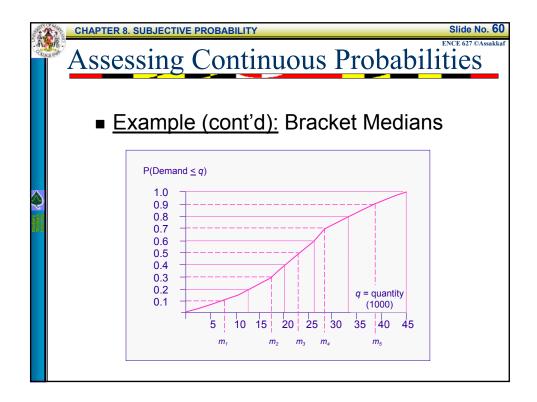


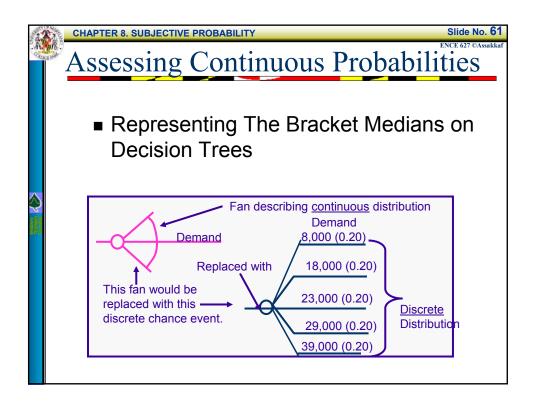


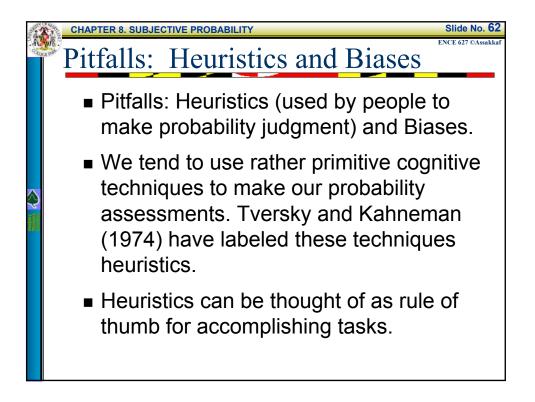


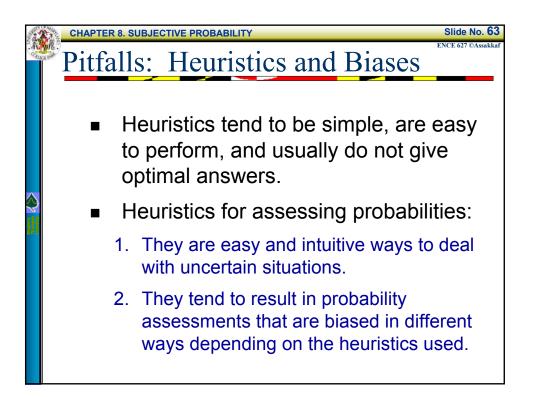


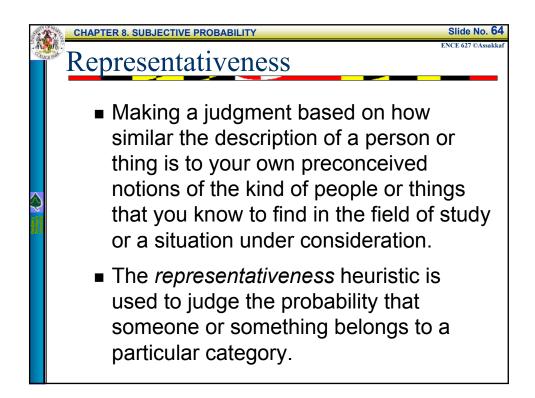


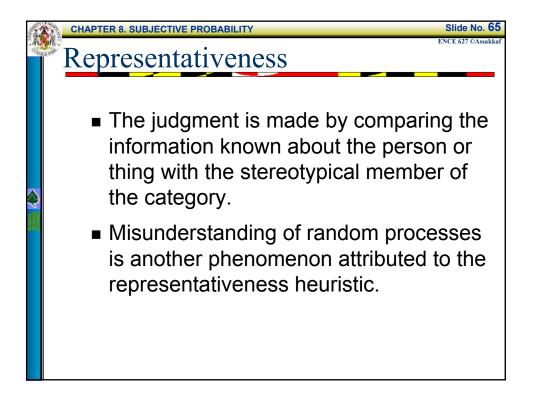


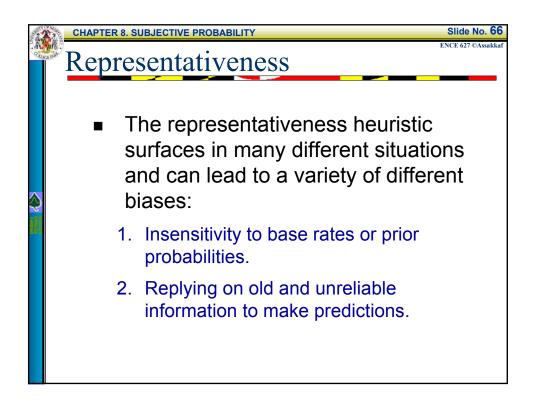


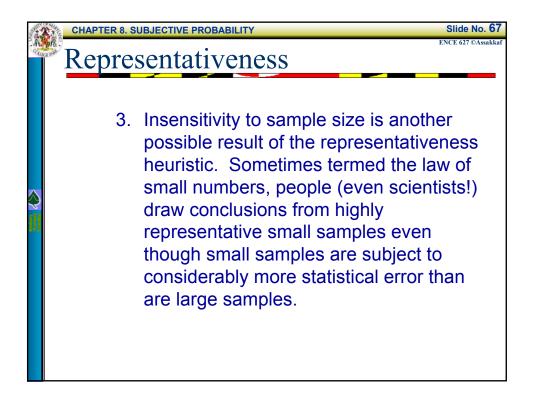


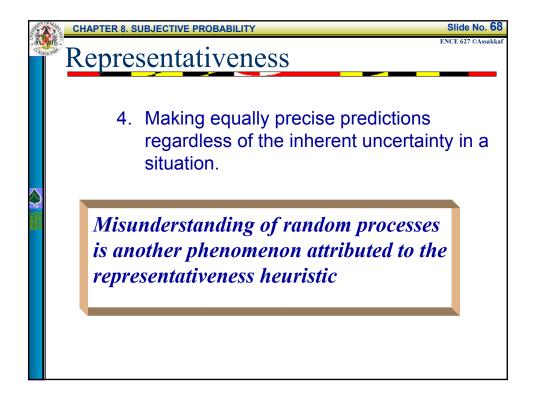


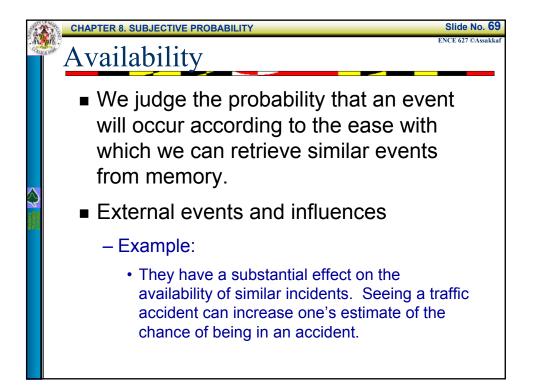


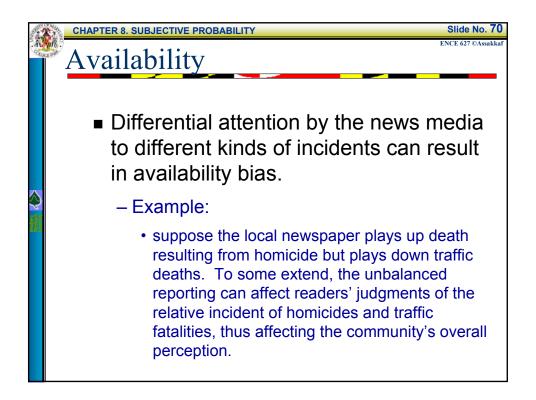


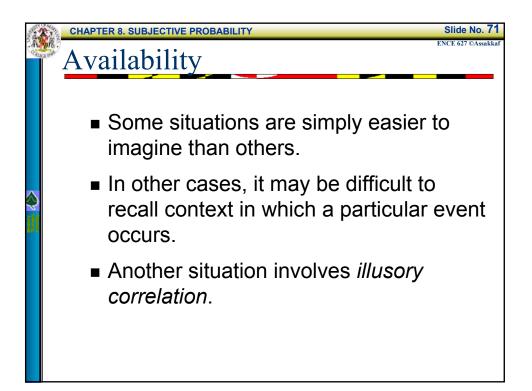


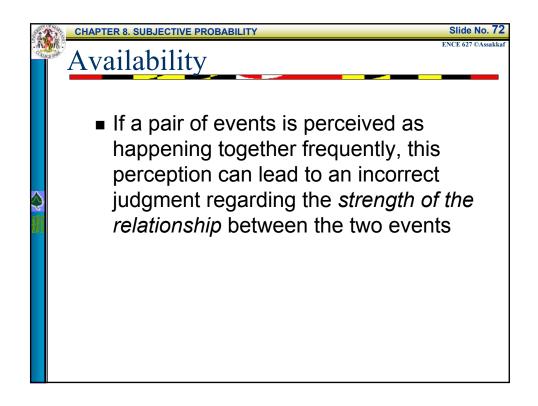


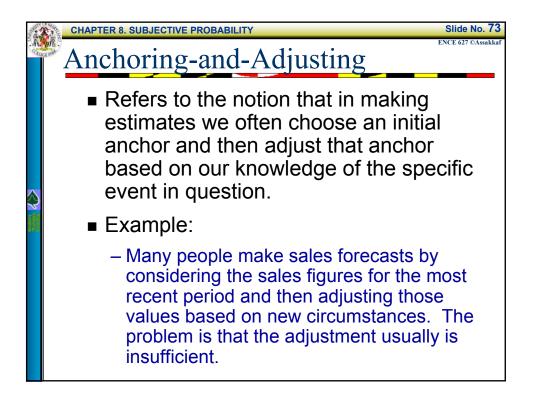


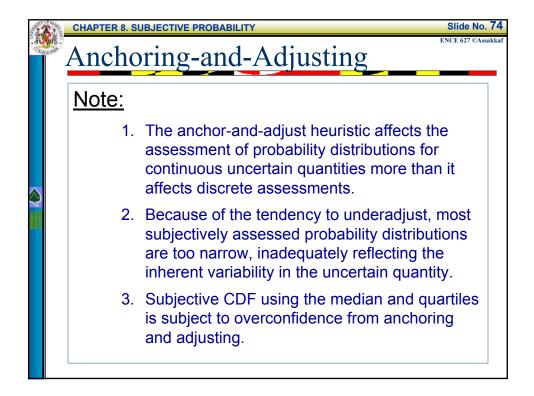


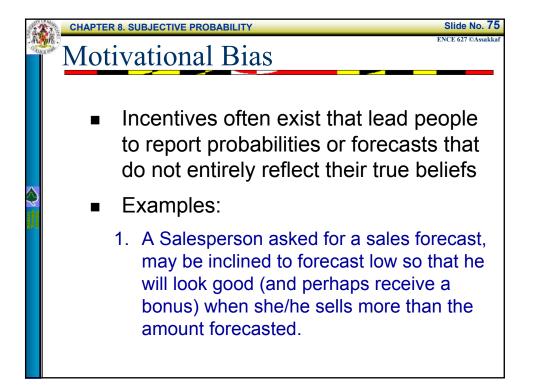










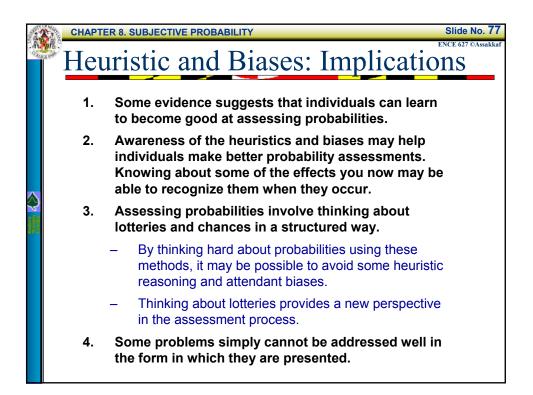


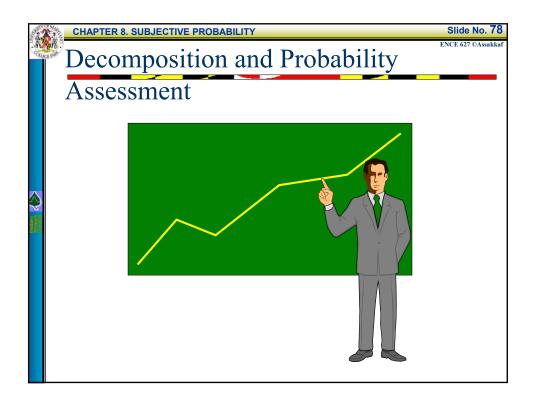
CHAPTER 8. SUBJECTIVE PROBABILITY

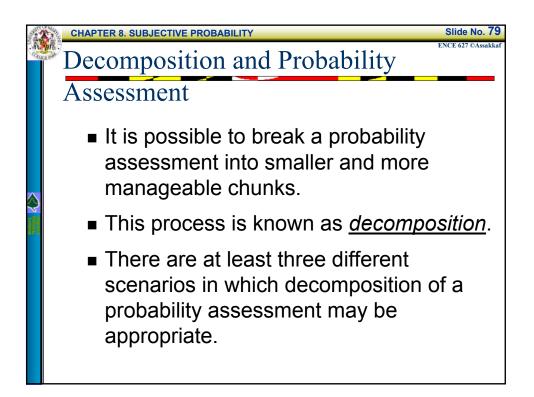
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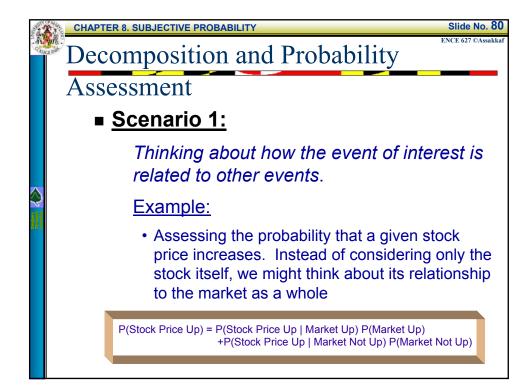
Motivational Bias

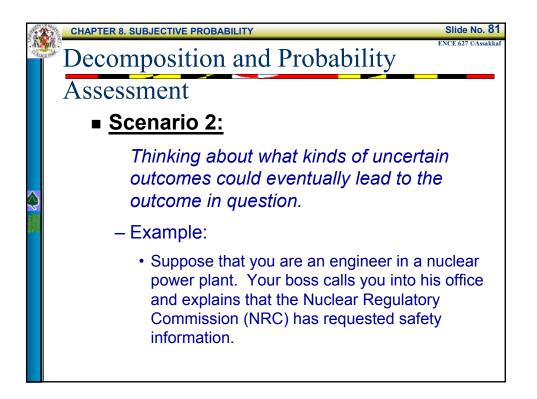
2. Some evidence suggests that weather forecasters, in assessing the probability of precipitation, persistently err on the high side; they tend to overstate the probability of rain. Perhaps they would rather people were prepared for bad weather (and were pleasantly surprised by sunshine) instead of expecting good weather and being unpleasantly surprised.

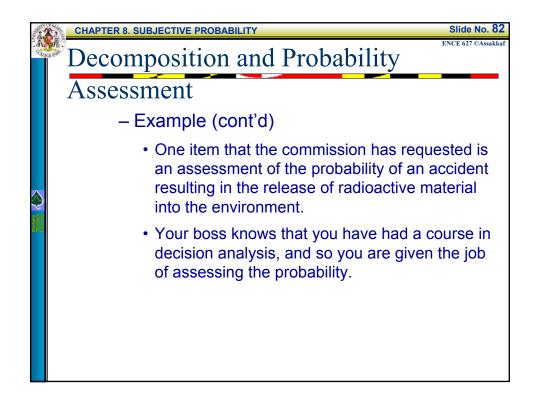


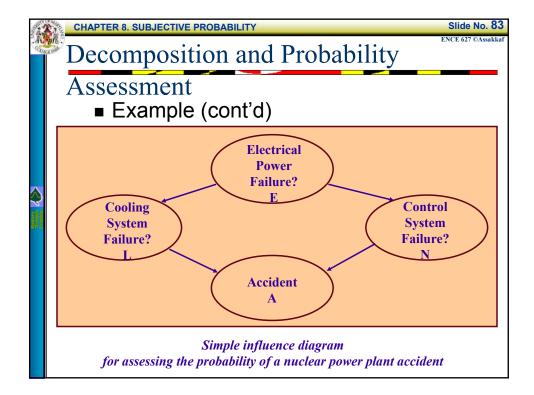


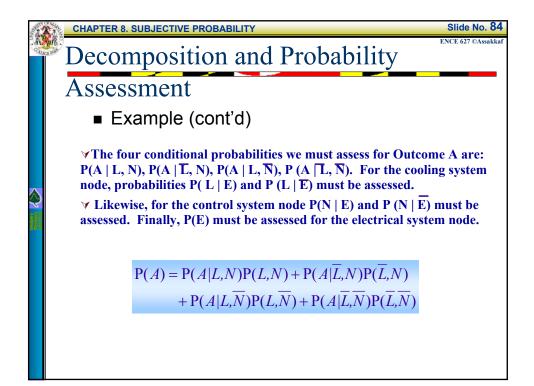


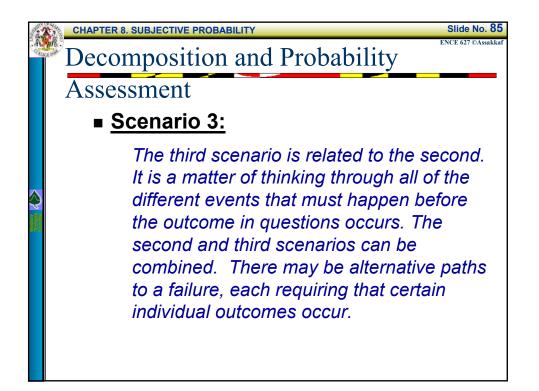


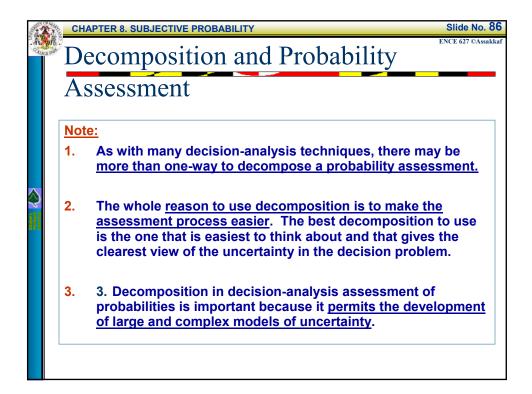


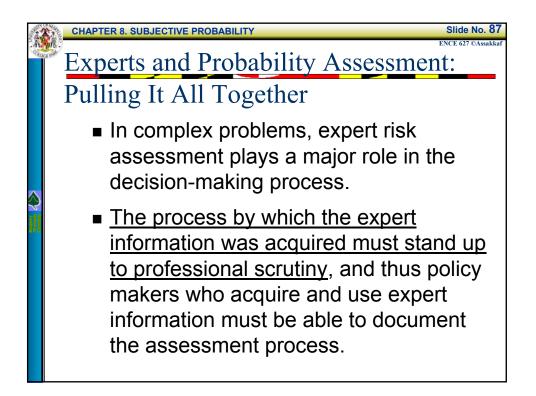


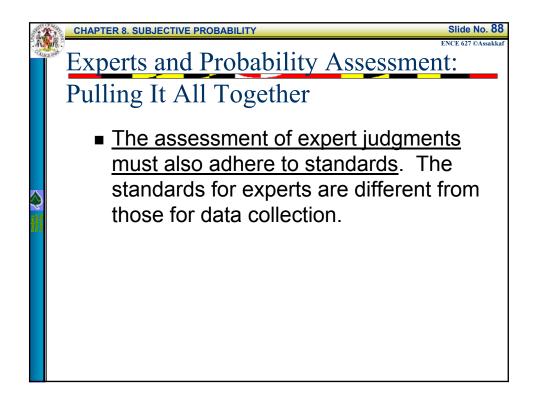


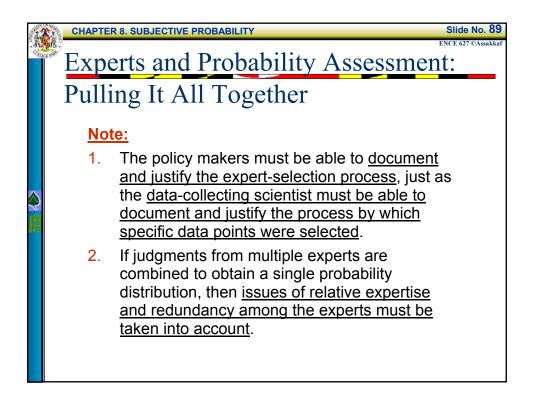


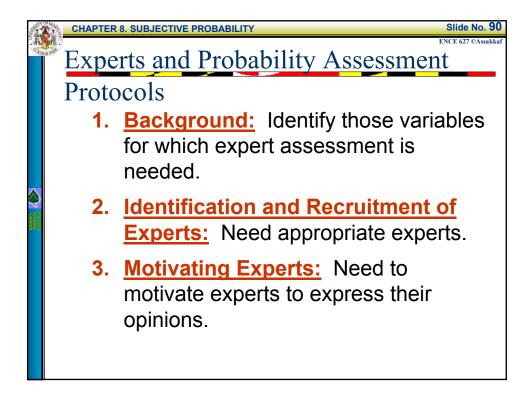


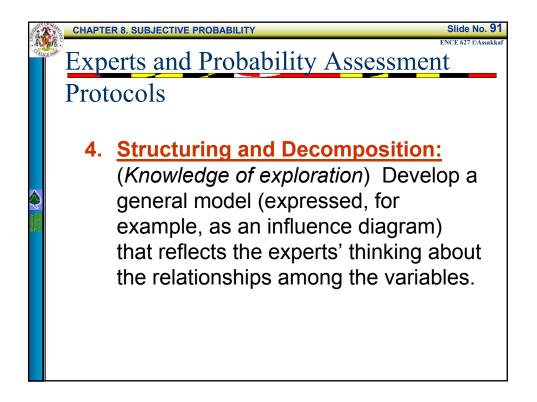


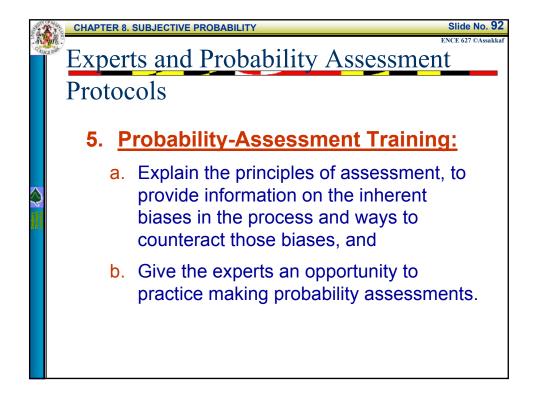


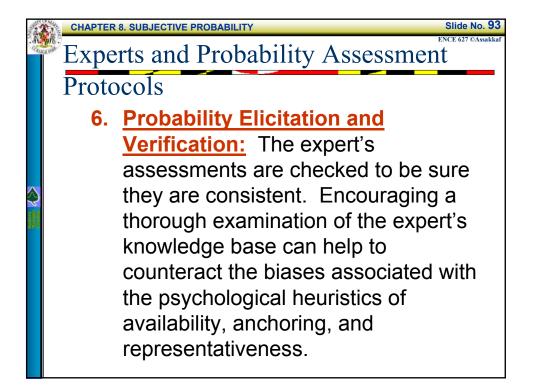


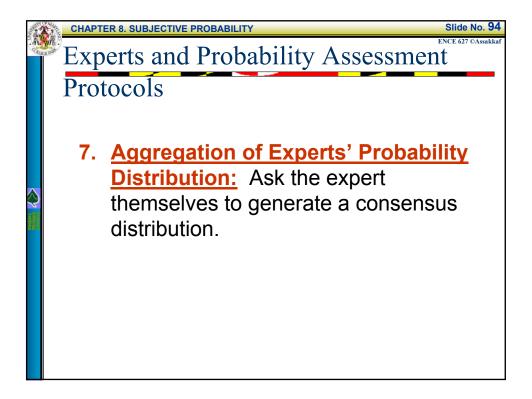


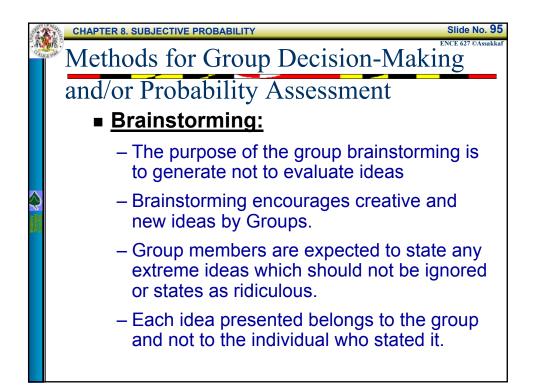


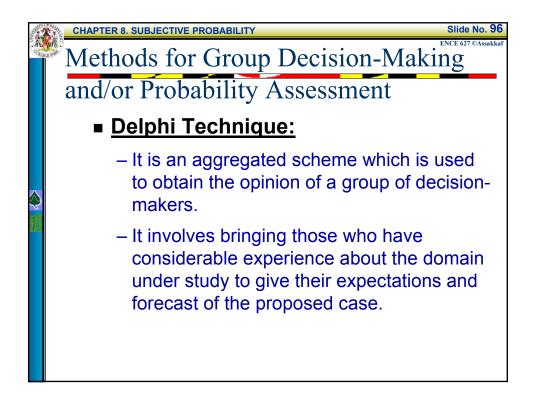


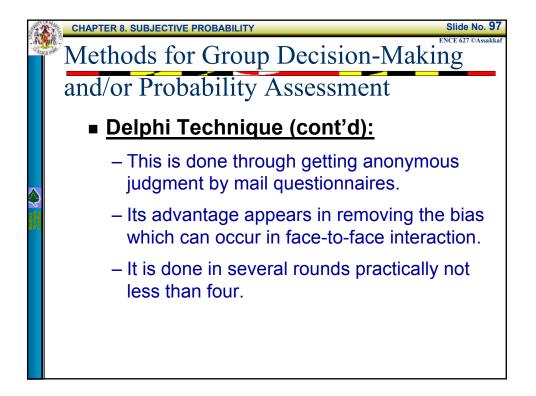


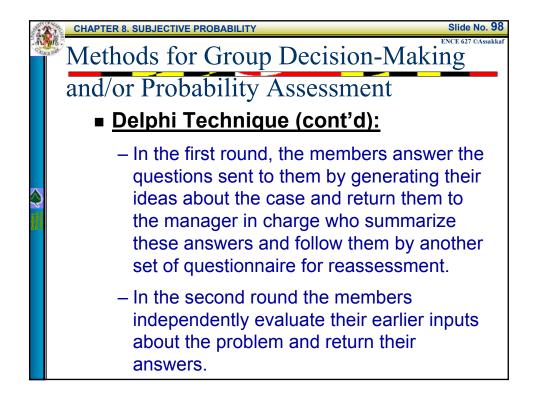


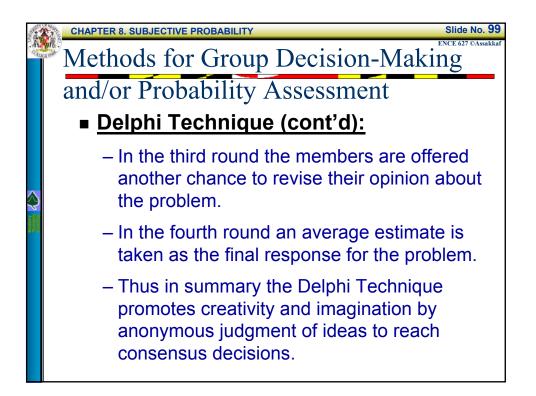


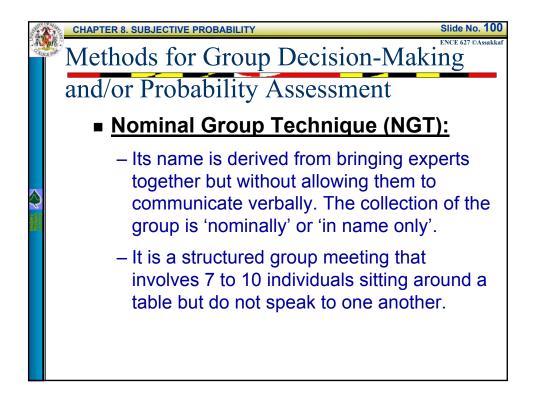


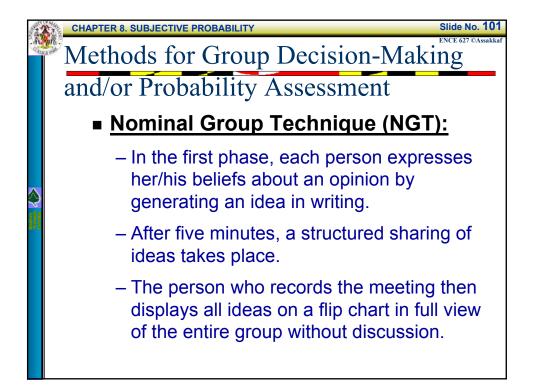


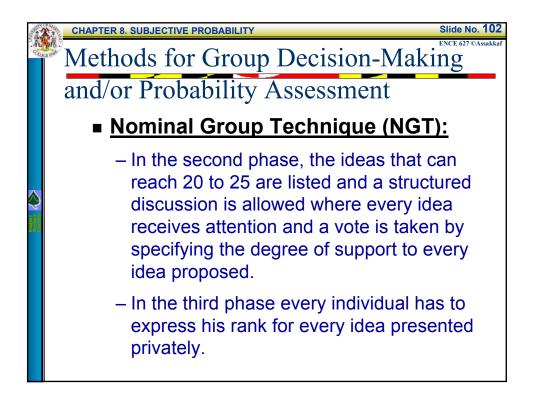


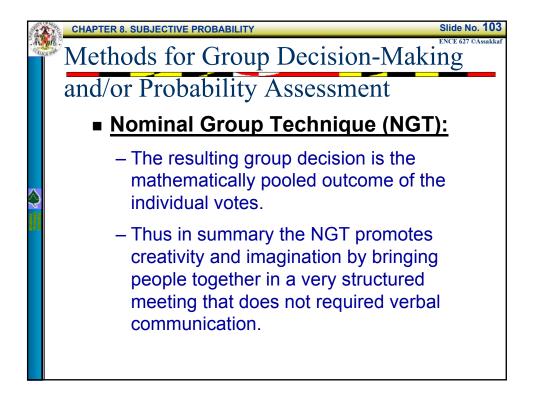


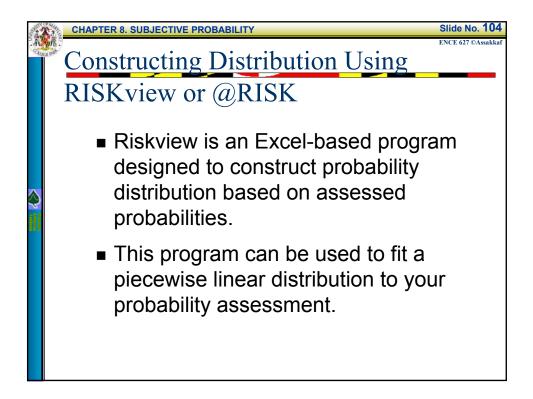


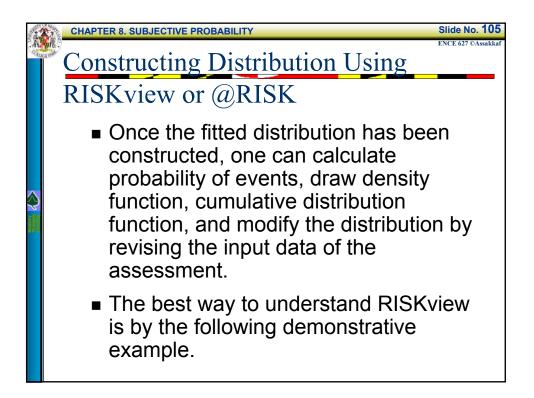


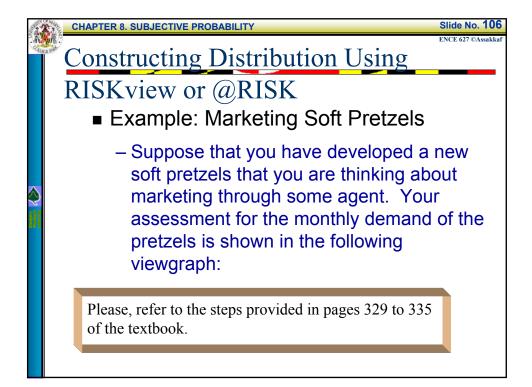












D. C.	CHAPTER 8. SUBJECTIVE PROBABILITY		Slide No. 107	
10	Constructing Distribution Using			
	RISKview or @RISK			
	 Example: Marketing Soft Pretzels (cont'd) 	Monthly	CDF	
	· · · · · · · · · · · · · · · · · · ·	Demand, X	$P(D \leq X)$	
	1. Construct a Density Mass Function.	5,000	0.05	
Partition I.	2. Construct a CDF.	16,000	0.25	
	3. Find	23,000	0.50	
	P(10,000 ≤ <i>x</i> ≤ 40,000)		0.75	
	4. Find P (<i>x</i> > 40,000)	31,000	0.75	
		45,000	0.95	

