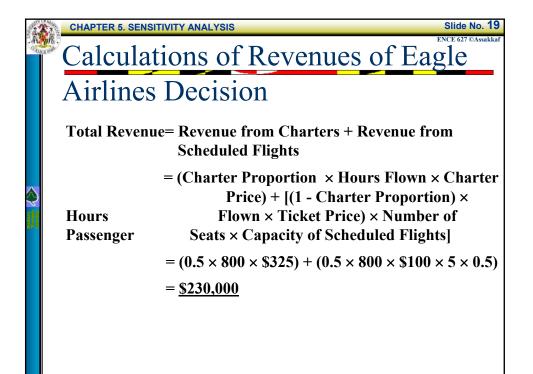


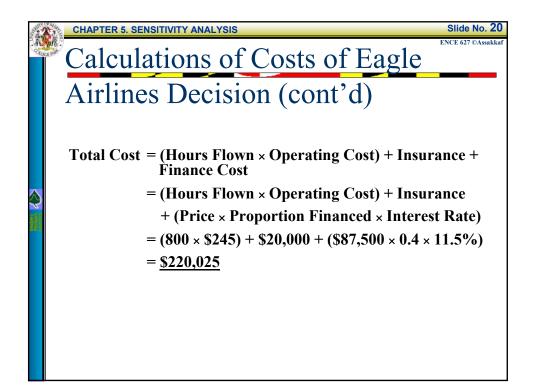
**CHAPTER 5. SENSITIVITY ANALYSIS** 

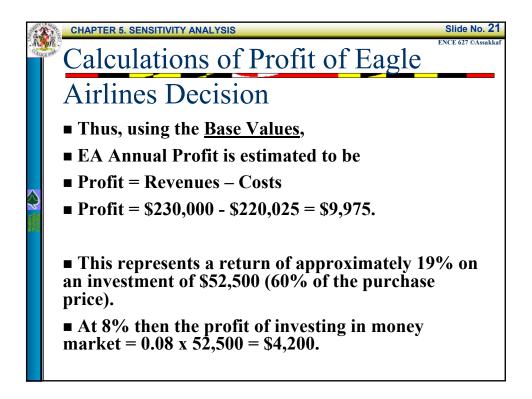
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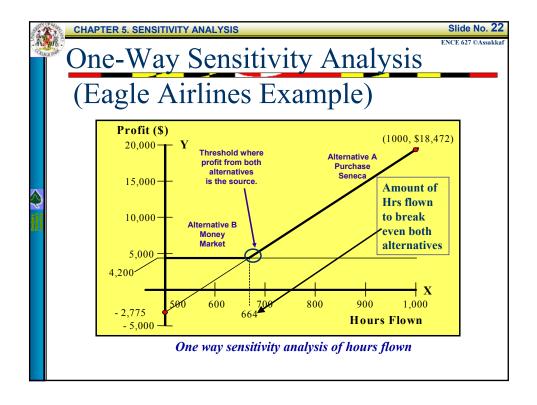
## Variables of Eagle Airlines Decision

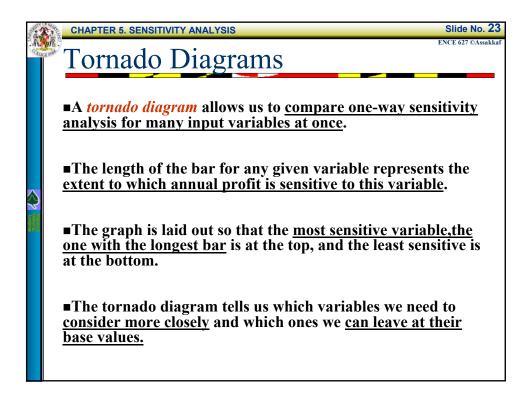
Variable	Base Value	Lower Bound	Upper Bound	
Hours Flown	800	500	1000	
Charter Price/Hour	\$325	\$300	\$350	
Ticket Price/Hour	\$100	\$95	\$108	
Capacity of Scheduled Flights	50%	40%	60%	
Proportion of Chartered Flights	0.50	0.45	0.70	
Operating Cost/Hour	\$245	\$230	\$260	Eagle Airlines
Insurance	\$20,000	\$18,000	\$25,000	
Proportion Financed	0.40	0.30	0.50	
Interest Rate	11.5%	10.5%	13%	
Purchase Price	\$87,500	\$85,000	\$90,000	decision

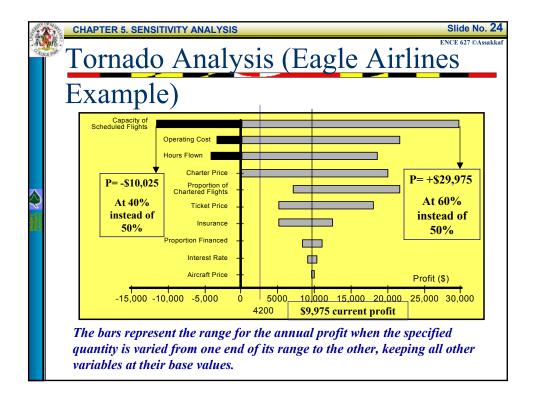


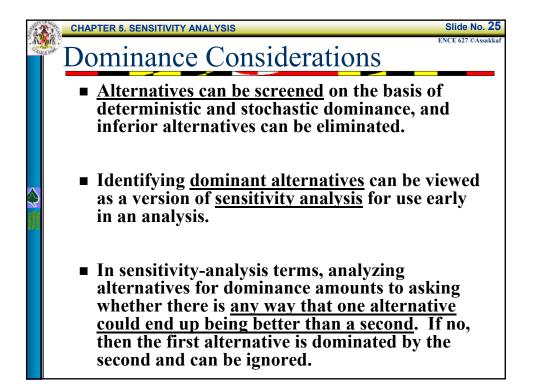


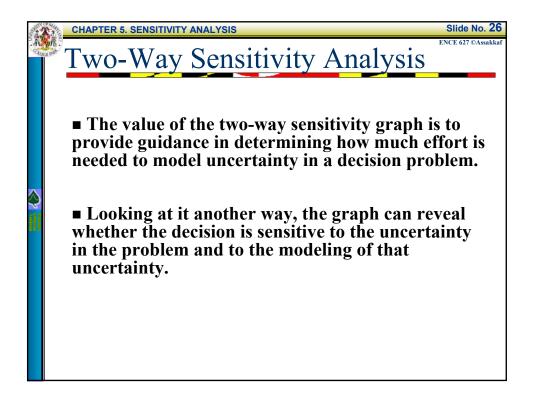


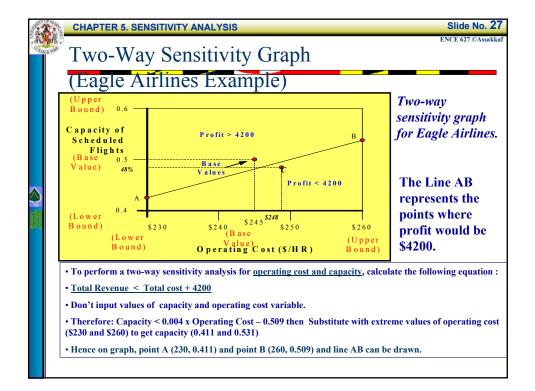


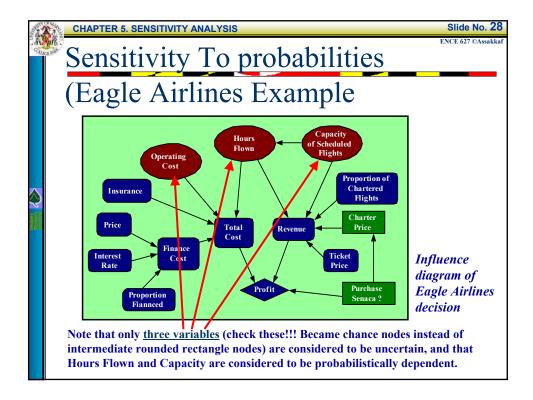












	CHAPTER 5. SEN				Slide No. 2 ENCE 627 ©Assakk
Calace Post	Decisio	on Tree	e of Eagle	e Airline	S
	Decisio				
		Operating Costs	Capacity of Scheduled Flights	Hours Flown	Profit (\$)
				650 (r)	-9725
			45%		
		\$253	(q)	900 (1-r)	-4225
		(p)	High	650 (s)	6525
			55%		
Ş	Purchase		<u>(1-q)</u>	<u>900 (1-s)</u>	18,275
	/ Piper			650 (r)	675
	Seneca		45%		
		\$237	(a)	<u>900 (1-r)</u>	10,175
		(1-p)	High	650 (s)	16,925
			55%		
			(1-q)	900 (1-s)	32,675
	$\square$		Do Not Purchase		4200
			Earn 8% on \$52,500		
	Probability q = p Probability r = P	robability (of oper robability (of capa (Low Hours   Low (Low Hours   High	ucity)	d that $r > s$	

