Principles of Economics (Spring 2024) Lecture 1 Basics of Economics

Part I

Economics, Scarcity, Opportunity Cost, Trade-off

TIME

total banafet

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isn't scarcity & TIME we give	wp}
Opportunity Cost: The	Trade-off: Withlimited
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it's a choice <u>alternative</u> you	producing/consuming more
would have to give up	of one good or service means
highest valued to engage in that	producing/consuming(ess
thing among all activity the things you activity	of another good or service.
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Exercise 1 the meal	
C Economists say that something is scar	B to have a meal in A. And meal c is more valued
C Deciding is say that something is scal	CO WHOIL

- A. only a finite amount exists.
- B. there is at least one use for the thing.
- C. the amount available is less than what people would like to have.
- D. the amount of the item is both finite and decreasing.

Part II						defined	based on
M	largin – The	"nex	it"	or" <u>extr</u>	<u>a</u> "	unit	circumstance
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	all other fa	ctors remain	ning constant.	spend 1	hour , scote	90 → 94	
best	Marginal	Cost (MC)	- An increase	(or decrease)	in total	cost	A Marine
	that is caus	sed by a	unit in	ncrease	in th	e level of th	at activity,
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Example 1

Suppose you own a pizza hut. You hire workers to make pizzas, and sell them to make profits. The wage rate is \$10 per person per hour, and the price of pizza is \$5. Assume the wage is the only cost incurred, and you sell out the pizza.

Number of Workers	Number of Pizza Made Per Hour	(7B) Total Benefit = frice of fizze	Marginal Benefit (of an Extra Worker)	Total Cost - wage Parto * fine for (w)	Marginal Cost (of an Extra Worker)	Total Profit	mas 5
1	10	40 50	50	10	ાંગ	40	
2	30	130 150	99 100	. 20	10 A s	130	
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4	45	185 273	1100 25 V	1040 an	10	185	INTB = THC
5 5	47	185 245	(13)	· M	(13)	185	Maximum
6	47	175 25	0	60	10	175	

(evitametria)

engage in that

Rational Behavior

For each additional unit

- o If MB _ MC,
 Go for it! (Consume this extra unit)
- If MB _ < MC,
 Avoid it! (Do not consume this extra unit)
- o Thus, keep consuming as long as MB > MC.

Exercise 2

Even though nowadays you can purchase music on iTunes with a better price, you may still prefer to buy CDs because you would then have the album artwork, lyrics, etc. Assume that the price of a CD is \$14. Fill in the table.

Marginal Benefit

Number of CDs	Total Benefit	Marginal Benefit
1.	30	30
2 .	55	25
3	70	15
4	75	5

Marginal Cost

Number of CDs	Total Cost	Marginal Cost
1	14	14
2	28	14
3	42	14
4	56	14

Marginal Analysis

Number of CDs	Marginal Benefit	Marginal Cost	Net Gain	Buy or Not
1	30	14	16	V
2	25	14	1	J .
3	15	Ι <mark>Ψ</mark>		V .
4	5	14	-9	×

Exercise 3

Suppose that a pair of jeans sells for \$35, fill in the table. How many pairs would you buy assuming you are rational?

Pairs of Jeans	Marginal Benefit	Marginal Cost	Net Gain
1	55	35	20
2	50	35	15
3	42	25	7
4	34	35	-1
5	24	35	-11
6	10	35	-25

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