1.1 BCA Step
Monday, August 24, 202

CBA HAA

NB=B-C

- Uear about Aut Pose

- Alternatives?

- Who is impacted + haw?

-who matters? > STANDING

Jechnical Steps

- Predict, quantify, monetice, r discount

-sensitivity analysis

-Arabyst recommendation

Cost effectiveness Analysis Economic Impact analysis La NOT A CBA/BCA 12:52 PM

More concertual Eurolations How to neasure efficiency?

Pareto efficiency

100 to Status quo 7 burn 180
105 to Status qu

Kaldor-Hicks Efficiency 455 Something is Potentially Pareto, obif 1:06 PM

Monday, August 24, 2020

7

WTP - Willingness to Pay

OPPORTUNITY COST

1B=B-C Be=B/C

New users +10

012 users -5

Canst cost 3

48:10-5+3=2 4B:C=120~5

1.2 67

## Notential Problems

1:16 PM

Arrow's Impossibility theorem

- Depends an wealth distribution

- Standins

 $OPY_{num}$  may not be under consideration NB = B(x) - C(x)

0, 10, 50 oches (x) NOT TO SCALE HW 1.1

Tuesday, August 25, 2020 12:33 PM

## Possed Bolwhon versew

city doesn't require helmets. I rive without a helmet

a. What are the benefits/costs of an ordinance to require helmers?

C25+5

Bengits

Barrier to entry Enfoncement Aushback Thereased Safety 3tylishness

Lecressed Conforts

b. Sacreties casts/bencfits?

C45+5

Benefits

Enforce Ment Aushback

Less Medical debt

A) Pesanal...
- Lemet Cost
- reduced Confort
- Lemet hair

benefits reduced 13k of insury

b) saciety...

- enforcement

- enforcement

- increased rollution

berets - Jecreused heafthanc costs

Tariffs on kunquats!

a. Growers are the facus! How is net benefit

colculated as a spender:

4-8-6-13=1-23-

Passed Solution review

	•					
TEMPLATE	PV (million dollars)		3.b Municipal standing	PV (million dollars)		
National government grant	2.2		National government grant	2.2	В	+
Construction and maintenance costs	12.5		Construction and maintenance costs	12.5	С	-
Personnel costs	8.2		Personnel costs	8.2	С	~
Revenue from municipal residents	8.6		Revenue from municipal residents	8.6	С	Q
Revenue from non-residents	2.2		Revenue from non-residents	2.2	В	+
Use value benefit to municipal residents	16.6		Use value benefit to municipal residents	16.6	В	+
Use value benefit to non-residents	3.1		Use value benefit to non-residents	3.1	-	
Scrap value	0.8		Scrap value	0.8	В	+
			NSB	-7.5	1.	
3.a National standing	PV (million dollars)	С	3.c Municipal guardian	PV (million dollars)		
National government grant	2.2		National government grant	2.2	В	+
Construction and maintenance costs	12.5		Construction and maintenance costs	12.5		-
Personnel costs	8.2		Personnel costs	8.2		-
Revenue from municipal residents	8.6	в	Revenue from municipal residents	8.6	В	+
Revenue from non-residents	2.2	в	Revenue from non-residents	2.2	В	+
Use value benefit to municipal residents	16.6	В	Use value benefit to municipal residents	16.6	-	<b>Q</b>
Use value benefit to non-residents	3.1	В 🥊	Use value benefit to non-residents	3.1	-	Q
Scrap value	0.8	+	Scrap value	0.8	-	÷
NSB	29.1	2	NSB	-7.7	-(	.9
3.d Municipal spender	PV (million dollars)					
National government grant	2.2	В 👆				
Construction and maintenance costs	12.5	C -				
Personnel costs	8.2	В 🕇				
Revenue from municipal residents	8.6	В				
Revenue from non-residents	2.2	в +				
Use value benefit to municipal residents	16.6	в 📙				
Use value benefit to non-residents	3.1	В 😞				
Scrap value	0.8	R +				
NSB	29.2	7.9				

## 3.5 Incorporating the social cost of rassing

Excise tax on a good Nesults in deadweight 1055 SS is reduced w/ taxes

leakage or excess tax burden = proportion of tax are subsidy that results in deadweight bss sucresse in ML from rassing tax \$1 = METB

METB = Marsinar excess tax burden

METB+1=MCPF

Gransfinal Cost of Addic Funds

SS=CS+PS+(MCPF)GS

3.6 Measuring Changes in Welfare

3.7 Conclusions CBA aims to efficiently allocate resources

APPENDEX 3 A CS and UTP
Compensating variation
thifference Curves
theome + substitution effects
Demand Curves

Marshallfan Jemand uses Income t substitutfon effects

Utility Compensated

Hicksfor compensated variation demand whee Equivalence of US + compensating variation Equivalent yarfation as an alternative to compensating variation