







Aggregating Demand

- Ultimately, we want to look at market demand
- That is, we want to see how the demands for many people add together to make up market demand
- If we have *n* people
 - And let i = 1 ... n

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• Two goods, x_1 , and x_2 ...







The "Law" of Demand

- What, in Economics is called the "Law" of Demand says
 - Demand curves "always" slope downward
 - That is, Demand for a good "always" decreases as the price for that good increases (holding everything else constant)
- This statement is different from what is in your book—which I will discuss in due time—but it is the more usual statement of the law of demand

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Elasticity in General

- There are many different Elasticities
- *Own-Price Elasticity* measures how demand changes as its own price changes
- *Income Elasticity* measures how demand changes as income changes

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• *Cross-Price Elasticities* measure how demand changes as the prices of other goods change

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Normal, Inferior and Giffen Goods	
• A Normal Good cannot be a Giffen Good	
-or- All Giffen Goods are Inferior goods	
• (Can you see why?)	
 However, most Inferior Goods are <u>not</u> Giffen Goods 	
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Substitutes and Complements If consumers see two goods as close substitutes for each other, what sign will the cross-price elasticity of demand have? -ε_{ij} > 0 If consumers see two goods as complements for each other, what sign will the cross-price elasticity of demand have?

 $-\varepsilon_{ij} < 0$

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Examples

- Perfect Complements/Substitutes
- Homothetic Preferences
- $\mathbf{x} = Ap^{\varepsilon}$
 - What makes this interesting?

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