Preferences Notation Consumption bundles · flow do consumers choose $(x_1, x_2) = X$ or $(y_1, y_2) = Y$ by letters which bundle in the or (xi', xi') = X') mean les budget set to consume? · In the rational choice quantity of quantity of good 2 model, we assume that consumer's are able to rank alternative · We say that X is bundles Given the choice between strictly preferred to Y If a consumer any two bundles, out chooses X over 1 when consumers must be able both are available to say which they'd prefer

• X Y Y Relationship between >, ~, 2 this is not a * Suppose X & Y and "greater than sign YEX. Then: X~Y · We say that X is indifferent to Y if · Suppose X & Y and Y is not & X. Then: X > Y the consumer doesn't · Strict preference and care if they get indifference can both X or Y be described in terms · If a consumer either strictly prefers X to Y or they are write:

Rationality assumptions	Z. Reflexivity
1. Preferences are complete 2. Preference are reflexive 3. Preferences are transtive	Preferences are reflexive If X > X (X ~ X) Consumers are indifferent between bundles that
1. Completeness	are identical to one
Preferences are complete if	another
for any bundles X and Y	
Either: 6x by 6 x by 6 y bx composition of the comp	
OY~X & Both	
· Consumers can rank	
any two alternatives	