제 4 장 소비자 행동이론 The Theory of Consumer Behavior



소비자 행동 Consumer Behavior

- Consumer Preferences 소비자 선호 The goods and services consumers actually consume.
- Given the choice between 2 bundles of goods a consumer either
 - ^q Prefers bundle A to bundle B: $A \succ B$.
 - ^q Prefers bundle B to bundle A: $A \prec B$.
 - ^q Is indifferent between the two: $A \sim B$.

무차별곡선이론 Indifference Curve Analysis

Indifference Curve

A curve that defines the combinations of 2 or more goods that give a consumer the same level of satisfaction.

Marginal Rate of Substitution 한계대체율

^q The rate at which a consumer is willing to substitute one good for another and maintain the same satisfaction level.



소비자 선호체계의 일반적 특성 Consumer Preference Ordering Properties

- Completeness (완비성)
- More is Better (단조성, 다다익선)
- Diminishing Marginal Rate of Substitution (한계대체율의 체감)
- Transitivity (이행성)

Complete Preferences

Completeness Property

- ^q Consumer is capable of expressing preferences (or indifference) between all possible bundles. ("I don't know" is NOT an option!)
 - If the only bundles available to a consumer are A, B, and C, then the consumer
 - is indifferent between A and C (they are on the same indifference curve).
 - will prefer B to A.
 - will prefer B to C.



Good X

More Is Better!

• More Is Better Property

- ^q Bundles that have at least as much of every good and more of some good are preferred to other bundles.
 - Bundle B is preferred to A since B contains at least as much of good Y and strictly more of good X.
 - Bundle B is also preferred to C since B contains at least as much of good X and strictly more of good Y.
 - More generally, all bundles on IC_{III} are preferred to bundles on IC_{II} or IC_{I} . And all bundles on IC_{II} are preferred to IC_{I} .



Diminishing Marginal Rate of Substitution

• Marginal Rate of Substitution

- ^q The amount of good Y the consumer is willing to give up to maintain the same satisfaction level decreases as more of good X is acquired.
- ^q The rate at which a consumer is willing to substitute one good for another and maintain the same satisfaction level.
- To go from consumption bundle A to B the consumer must give up 50 units of Y to get one additional unit of X.
- To go from consumption bundle B to C the consumer must give up 16.67 50 units of Y to get one additional unit of X. 33.33
- To go from consumption bundle C to D the consumer must give up only 8.33 units of Y to get one additional unit of X.



Consistent Bundle Orderings

- Transitivity Property
 - For the three bundles A, B, and C, the transitivity property implies that if $C \succ B$ and $B \succ A$, then $C \succ A$.
 - Transitive preferences along with
 the more-is-better property imply
 that
 - indifference curves will not intersect.
 - the consumer will not get caught in a perpetual cycle of indecision.



예산제약 The Budget Constraint

- Opportunity Set
 - ^q The set of consumption bundles that are affordable.
 - $P_x X + P_y Y \le M$.
- Budget Line
 - ^q The bundles of goods that exhaust a consumers income.
 - $P_xX + P_yY = M$.
- Market Rate of Substitution _q The slope of the budget line
 - $-P_x / P_y$





소비자의 균형 Consumer Equilibrium

- The equilibrium consumption bundle is the affordable bundle that yields the highest level of satisfaction.
 - ^q Consumer equilibrium occurs at a point where

 $MRS = P_X / P_{Y_.}$

 ^q Equivalently, the slope of the indifference curve equals the budget line.



가격변화와 소비자 균형 Price Changes and Consumer Equilibrium

- Substitute Goods 대체재
 - ^q An increase (decrease) in the price of good X leads to an increase (decrease) in the consumption of good Y.
 - Examples:
 - Coke and Pepsi.
 - KT and SKT or LGT.
- Complementary Goods 보완재
 - ^q An increase (decrease) in the price of good X leads to a decrease (increase) in the consumption of good Y.
 - Examples:
 - Cars and Gasoline/ Diesel.
 - Digital Camera and Memory card.

Complementary Goods

When the price of good X falls and the consumption of Y rises, then X and Y are complementary goods. $(P_{X_1} > P_{X_2})$



소득의 변화와 소비자 균형

Income Changes and Consumer Equilibrium

- Normal Goods 정상재
 - Good X is a normal good if an increase (decrease) in income leads to an increase (decrease) in its consumption.
 - ^q Most of commodities
- Inferior Goods 열등재
 - Good X is an inferior good if an increase (decrease) in income leads to a decrease (increase) in its consumption.
 - ^q Some items welcomed in the time of economic downturns (mainly low quality products)

Normal Goods



Decomposing the Income and Substitution Effects

Initially, bundle A is consumed. A decrease in the price of good X expands the consumer's opportunity set.

The substitution effect (SE) causes the consumer to move from bundle A to B.

A higher "real income" allows the consumer to achieve a higher indifference curve.

The movement from bundle B to C represents the income effect (IE). The new equilibrium is achieved at point C.



개별수요곡선 Individual Demand Curve

An individual's demand curve is derived from each new equilibrium point found on the indifference curve as the price of good X is varied.





- The market demand curve is the horizontal summation of individual demand curves.
- It indicates the total quantity all consumers would purchase at each price point.



마케팅에의 응용 A Classic Marketing Application

