

Preferences & Utility

- Marginal Utilities
- Do you like or dislike the good?
- Does how much you like/dislike depend on how much you already have?
- Does how much you like/dislike depend on how much of the other good you already have?
- Marginal Rate of Substitution and interpreting it
- Types of Utilities: Cobb-Douglas, Quasi-linear, P. Subs, P. Complements
- Axioms of Preferences

Indifference Curves

- Deriving an Indifference Curve from Utility Function
- Shapes and drawing Indifference Curves
- Indifference Curve Rules: Monotonicity, Non-Crossing, Convex
- Slope of Indifference Curve is -MRS

Budget Constraints

- Constructing a Budget Constraint
- Graphing a Budget Constraint & Intercepts
- Changes in Income and prices

Optimal Consumption

- Graphically identifying the utility maximizing bundle
- Indifference Curves above and below the Budget Constraint
- Constrained Optimization for each Utility Function

Income Changes

- Demand as a function $x^* = f(M, P_x, P_y)$
- Classifying goods as inferior or normal
- Finding the formula for an Engel Curve
- Finding Income Elasticities and interpreting

Price Changes

- Own-Price Elasticities & classifying goods as elastic, inelastic, etc.

Substitution and Income Effects

- Finding Substitution Effect
- Finding Income Effect
- Decomposing the total effect

Changes in Other Good's Price

- Elasticity of Substitution: Are complements or substitutes of each other?

Individual Demand to Market Demand

- Aggregating demands to market demands
- Graphing individual demands and market demands